Augusta Christian Schools

Geometry Honors

Summer Packet

Mrs. Stephanie Culpepper

- You must show all of your work for each problem and circle your final answers.
- This is a representation of skills you should already possess prior to starting Geometry.
- This packet will be collected on Wednesday, August 5, 2026.

- Please sign the following statement after completing your packet:
  "I did this work on my own and did not copy answers from any source, human or electronic."
  Signed: _____
  Date: _____

  Printed Name: _____

  On a scale from 1 to 10 (1 being extremely easy and 10 being extremely difficult), how difficult was this assignment? _____

Algebra 2 Review:

QUIZ 1

Name: _____

Date: _____ **Per**: _____

1. Which expression is equivalent to $\sqrt{300a^{36}b^9}$?

A. $3a^6b^3\sqrt{10}$

B. $3a^{18}b^4\sqrt{3b}$

C. $10a^6b^3\sqrt{3}$

D. $10a^{18}b^4\sqrt{3b}$

2. Which expression is equivalent to $\sqrt[4]{24k^3}\cdot\sqrt[4]{4k^9}$?

A. $2k^3\sqrt[4]{6}$

B. $2k^6\sqrt[4]{6k}$

C. $4k^3\sqrt[4]{6}$

D. $4k^6\sqrt[4]{6k}$

3. Which expression is equivalent to $-2\sqrt[3]{135}-5\sqrt[3]{40}$?

A. $-10\sqrt[3]{5}$

B. $-28\sqrt[3]{5}$

C. $-2\sqrt[3]{5}$

D. $-16\sqrt[3]{5}$

4. Which expression is equivalent to $\sqrt{3}\left(4\sqrt{2}-\sqrt{6}\right)^2$?

A. $2\sqrt{3}-16\sqrt{6}$

B. $26\sqrt{3}-48$

C. $38\sqrt{3}-48$

D. $38\sqrt{3}-16\sqrt{6}$

5. Which expression is equivalent to $\sqrt{\frac{3w^2}{28}}$?

A. $\frac{w\sqrt{3}}{2}$

B. $\frac{w\sqrt{21}}{14}$

C. $\frac{w\sqrt{3}}{4}$

D. $\frac{w\sqrt{21}}{28}$

6. Which expression is equivalent to $m^{\frac{4}{5}}n^{\frac{33}{5}}$?

A. $\frac{1}{5}\sqrt{m^4n^{33}}$

B. $\frac{1}{5}n^6\sqrt{m^4n^3}$

C. $n^6\sqrt[5]{m^4n^3}$

D. $m^4n^6\sqrt[5]{n^3}$

7. Which expression is equivalent to $\sqrt{-288}-\sqrt{-98}$?

A. $-5i\sqrt{2}$

B. $5i\sqrt{2}$

C. $-17i\sqrt{2}$

D. $17i\sqrt{2}$

8. Which expression represents a negative integer?

A. i^{55}

B. $9i^{26}\cdot 2i^8$

C. $(i\sqrt{7})^3\cdot i^2$

D. $(2i^4)^3$

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9. Which expression is equivalent to $(2-5i)(1+3i)-(10-4i)$?

A. $7+5i$

B. $7-3i$

C. $-23+5i$

D. $-23-3i$

10. Which is the factored form of n^3+125?

A. $(n+5)^3$

B. $(n+5)(n^2+25)$

C. $(n+5)(n^2+5n+25)$

D. $(n+5)(n^2-5n+25)$

11. Which is the complete factorization of $4c^4+32c^2-36$?

A. $4(c^2+9)(c-1)^2$

B. $4(c^2+9)(c+1)(c-1)$

C. $4(c+3)(c-3)(c+1)(c-1)$

D. $4(c+3)^2(c-1)^2$

For questions 12-15, assume no denominator equals zero.

12. Simplify $\dfrac{x^2-2x-35}{x^2-12x+35}$.

A. -1

B. $\dfrac{x+7}{x-7}$

C. $\dfrac{x+5}{x-5}$

D. $\dfrac{x-5}{x+5}$

13. Simplify $\dfrac{10p^2+13p-3}{2p^2+p-3} \div \dfrac{1-25p^2}{2p^2+6p-8}$.

A. $\dfrac{2(p+4)}{5p+1}$

B. $2(p+4)$

C. $\dfrac{-2(p+4)}{5p+1}$

D. $-2(p+4)$

14. Simplify $\dfrac{a}{a-6}-\dfrac{2a+36}{a^2-4a-12}$.

A. $\dfrac{a+6}{a+2}$

B. $\dfrac{a-6}{a+2}$

C. $\dfrac{a^2+36}{(a-6)(a+2)}$

D. 3

15. Simplify $\dfrac{\frac{x}{y}-1}{1-\frac{x^2}{y^2}}$.

A. $-\dfrac{1}{x}$

B. $\dfrac{y}{x+y}$

C. $\dfrac{x-y}{y}$

D. $\dfrac{-y}{x+y}$

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Algebra 2 Review:

QUIZ 2

Name: _____

Date: _____ **Per**: _____

1. What is the solution set for $|k-6|+17=30$?

A. $\{-19, 7\}$

B. $\{-7, 19\}$

C. $\{-19, 19\}$

D. $\{-41, 19\}$

2. What is the solution set for $2|3y+7|=10y$?

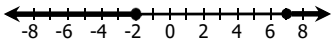
A. No Solution

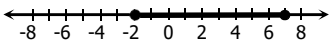
B. $\left\{-\frac{7}{8}, \frac{7}{2}\right\}$

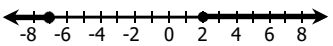
C. $\left\{\frac{1}{2}, \frac{7}{2}\right\}$

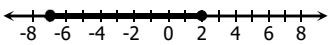
D. $\left\{\frac{7}{2}\right\}$

3. Which graph best represents the solutions to the inequality $|2x+5| \geq 9$?

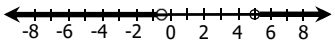
A. 

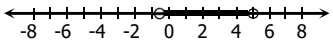
B. 

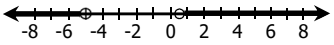
C. 

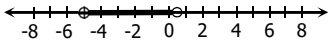
D. 

4. Which graph best represents the solutions to the inequality $-2|4x-9|+26>4$?

A. 

B. 

C. 

D. 

5. If the discriminant of a quadratic equation is 28, describe the roots.

A. 1 Rational Root

B. 2 Rational Roots

C. 2 Irrational Roots

D. 2 Complex Roots

6. Describe the roots of $5x^2-2x+1=0$.

A. 1 Rational Root

B. 2 Rational Roots

C. 2 Irrational Roots

D. 2 Complex Roots

7. What is the solution set for $x^2-6x-5=0$?

A. $\{3 \pm \sqrt{14}\}$

B. $\{-3 \pm \sqrt{14}\}$

C. $\{3 \pm \sqrt{7}\}$

D. $\{-3 \pm \sqrt{7}\}$

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8. What is the solution set for $3x^2 + 9 = 5 - 4x$?

A. $\{-2 \pm 2i\sqrt{2}\}$

B. $\{-2 \pm 2\sqrt{2}\}$

C. $\left\{\frac{-2 \pm 2i\sqrt{2}}{3}\right\}$

D. $\left\{\frac{-2 \pm 2\sqrt{2}}{3}\right\}$

9. What is the solution set for $17 - 2x^2 = -73$?

A. $\{\pm 3i\sqrt{5}\}$

B. $\{\pm 3\sqrt{5}\}$

C. $\{\pm 2i\sqrt{7}\}$

D. $\{\pm 2\sqrt{7}\}$

10. A rock is thrown from the top of a building. The height, h, of the rock t seconds after it thrown is given by $h(t) = -16t^2 - 2t + 240$. How long will it take the rock to reach a height of 180 feet?

A. 1.875 seconds

B. 2 seconds

C. 2.125 seconds

D. 2.625 seconds

11. What is the solution set for $2x^5 + 10x^3 - 72x = 0$?

A. $\{0, \pm 2, \pm 3\}$

B. $\{0, \pm 2i, \pm 3i\}$

C. $\{0, \pm 2, \pm 3i\}$

D. $\{0, \pm 3, \pm 2i\}$

12. What is the solution set for $4x^3 - x^2 - 48x + 12 = 0$?

A. $\left\{\frac{1}{4}, \pm 2i\sqrt{3}\right\}$

B. $\left\{\frac{1}{4}, \pm 2\sqrt{3}\right\}$

C. $\left\{-\frac{1}{4}, \pm 2i\sqrt{3}\right\}$

D. $\left\{-\frac{1}{4}, \pm 2\sqrt{3}\right\}$

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Algebra 2 Review:

QUIZ 3

Name: _____

Date: _____ **Per**: _____

1. Solve for w: $\sqrt[3]{8w+1}-7=-2$

A. 2 **C.** $\frac{63}{4}$

B. $\frac{7}{4}$ **D.** $\frac{31}{2}$

2. Solve for p: $\sqrt{6-5p}=\sqrt{3p-26}$

A. $\frac{5}{2}$ **C.** 4

B. 10 **D.** 16

3. Solve for n: $n-5=\sqrt{22-6n}$

A. No Solution

B. {1}

C. {3}

D. {1, 3}

4. Solve for k: $\frac{3k}{2}=\frac{k^2+2}{2k+5}$

A. $\left\{\frac{1}{4},4\right\}$ **C.** $\left\{-4,-\frac{1}{4}\right\}$

B. $\left\{-4,\frac{1}{4}\right\}$ **D.** $\left\{-\frac{1}{4},4\right\}$

5. Solve for x: $\frac{x+5}{x}-\frac{2x-1}{4x}=\frac{x+11}{3x}$

A. $-\frac{19}{10}$ **C.** $-\frac{13}{10}$

B. $-\frac{19}{2}$ **D.** $-\frac{13}{2}$

6. Solve for x: $\frac{6x}{x^2-25}=\frac{x-2}{x-5}+\frac{7}{x+5}$

A. No Solution

B. {-5, 9}

C. {-9}

D. {9}

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7. Which expression is equivalent to $\log 4n^3$?

A. $3(\log 4 + \log n)$

B. $3 \cdot \log 4 + \log n$

C. $\log 4 + 3 \cdot \log n$

D. $\log 64 + 3 \cdot \log n$

8. Which expression is equivalent to $\frac{5}{2} \cdot \log_4 x - 3 \cdot \log_4 y$?

A. $\log_4 5x^2 - 3y$

B. $\log_4 \frac{5x^2}{y^3}$

C. $\log_4 5x^2y^3$

D. $\log_4 \frac{x^2\sqrt{x}}{y^3}$

9. Solve for a: $\log_2 32 = a + 1$

A. 1

B. 2

C. 4

D. 8

10. Solve for m: $\log_5 24 - \log_5 3 = 3 \cdot \log_5 m$

A. $\frac{1}{7}$

B. 7

C. $\frac{8}{3}$

D. 2

11. Solve for y: $2 \cdot \log(y + 4) = \log 7 + \log(y + 4)$

A. $\{-4, 3\}$

B. $\{-3, 4\}$

C. $\{-4\}$

D. $\{3\}$

12. Solve for x: $3^{x^2+7x} = \left(\frac{1}{27}\right)^{x-8}$

A. $\{-2, 12\}$

B. $\{-12, 2\}$

C. $\{-6, 4\}$

D. $\{-4, 6\}$

13. Solve for c: $\left(\frac{1}{4}\right)^{c-7} = 64^{c+9}$

A. $-\frac{17}{2}$

B. 17

C. -5

D. 10

14. Solve for v to the nearest ten-thousandth: $5^{v-1} - 19 = 56$

A. 1.6826

B. 3.6826

C. 1.1761

D. 3.1761

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Algebra 2 Review:

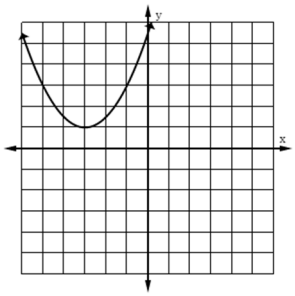
QUIZ 4

Name: _____

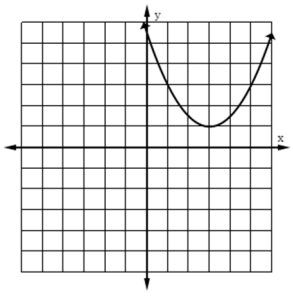
Date: _____ Per: _____

1. Which graph best represents the function $f(x) = 2(x+3)^2 + 1$?

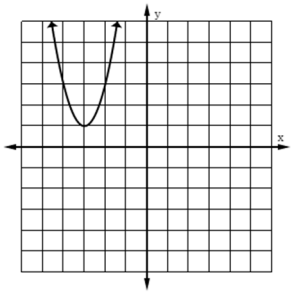
A.



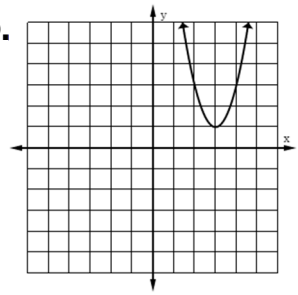
B.



C.

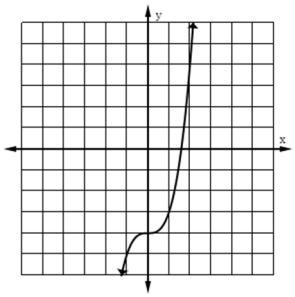


D.

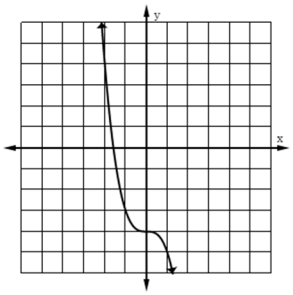


2. Which graph represents the function $f(x) = -x^3 - 4$?

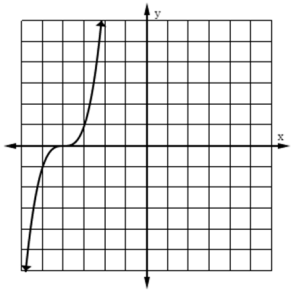
A.



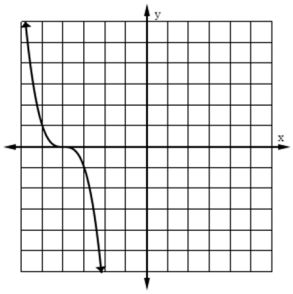
B.



C.



D.



3. Which function has a range of $\{y \mid y \le -2\}$?

A. $f(x) = 3x - 2$

B. $f(x) = (x+5)^2 - 2$

C. $f(x) = -|x-5|^2 - 2$

D. $f(x) = x^3 - 2$

4. The function $f(x) = -|x-4| + 6$ is increasing through the interval –

A. $6 < x < \infty$

B. $-\infty < x < 4$

C. $4 < x < \infty$

D. $4 < x < 6$

5. The function $f(x) = -x^3 + 3x^2 - 5$ is decreasing through the interval(s) –

A. $-\infty < x < 0$ and $2 < x < \infty$

B. $-\infty < x < -2$ and $0 < x < \infty$

C. $0 < x < 2$

D. $-2 < x < 2$

6. Mason translated the function $f(x) = x^2$ 7 units up and 3 units left. Which equation represents the new function?

A. $f(x) = (x+7)^2 + 3$

B. $f(x) = (x-7)^2 + 3$

C. $f(x) = (x+3)^2 + 7$

D. $f(x) = (x-3)^2 + 7$

7. What are the turning points of the function $f(x) = x^3 + 9x^2 + 24x + 16$?

A. $(-4,0)$, $(-2,-4)$, and $(-1,0)$

B. $(-4,0)$ and $(-1,0)$

C. $(-5,-4)$ and $(-2,-4)$

D. $(-4,0)$ and $(-2,-4)$

8. For which function is -4 a zero?

A. $f(x) = x^3 - 11x^2 + 28x$

B. $f(x) = x^2 - 10x + 24$

C. $f(x) = x^4 - 17x^2 + 16$

D. $f(x) = x^4 - 4x^3 + 5x^2$

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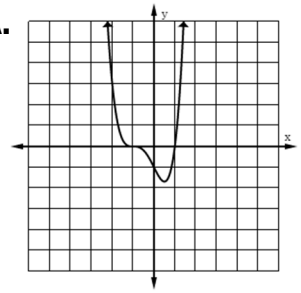
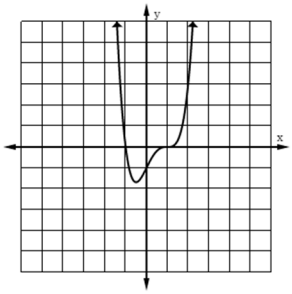
9. A polynomial function has a factor of $(x-1)^4$. Which graph could represent this function?

A.



B.



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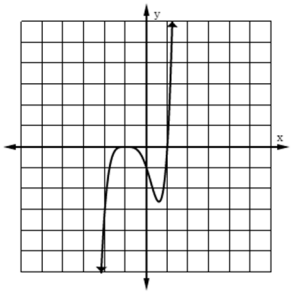
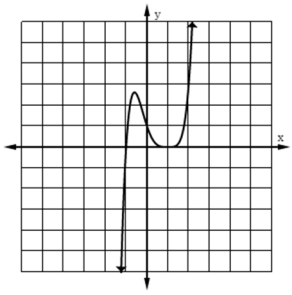


D.

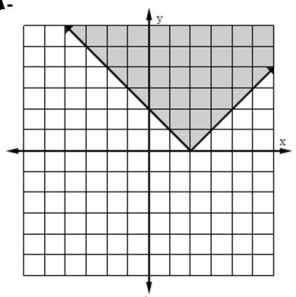


10. Which statement(s) describe the end behavior $f(x) = -ax^6 + bx^3 + c$? Check all that apply.

- ☐ As $x \to \infty$, $f(x) \to \infty$
- ☐ As $x \to \infty$, $f(x) \to -\infty$
- ☐ As $x \to -\infty$, $f(x) \to \infty$
- ☐ As $x \to -\infty$, $f(x) \to -\infty$

11. Which graph represents the function $f(x) \geq |x-2|$?

A.



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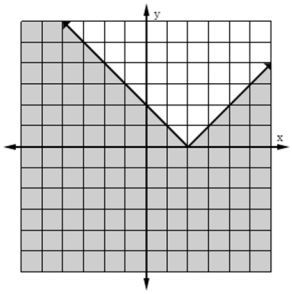

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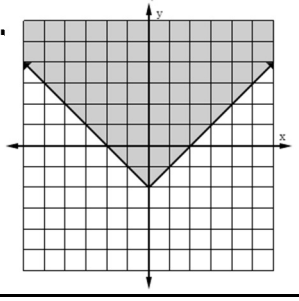
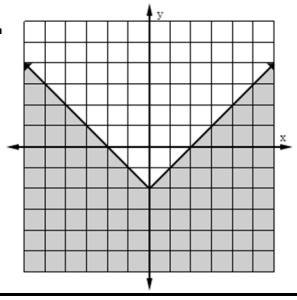
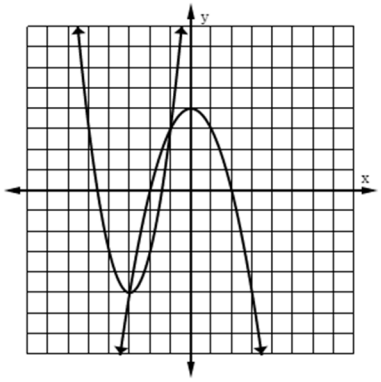


D.



12. The graph of a system of equations is shown below. Identify a solution to the system.



(☐ , ☐)

13. Solve the system of equations:

$$\begin{cases} y = x^2 - 4x + 1 \\ 2x - y = 4 \end{cases}$$

A. (1, 5)

B. (5, 6)

C. (1, –2) and (5, 6)

D. (–2, 1) and (6, 5)

14. Solve the system of equations:

$$\begin{cases} y = -3x^2 - 24x - 48 \\ y = x^2 + 8x + 16 \end{cases}$$

A. No Solution

B. (–4, 0)

C. (0, – 4)

D. (–4, 0) and (0, 4)

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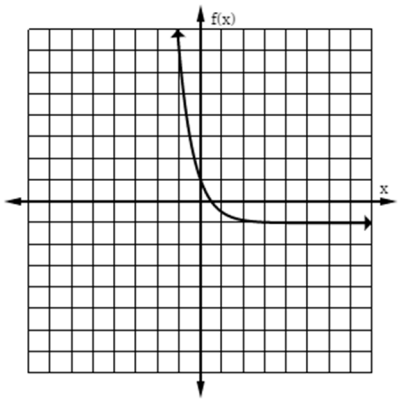
Algebra 2 Review:

QUIZ 5

Name: _____

Date: _____ **Per**: _____

1. Which equation best represents this graph?



A. $f(x) = 2(4)^x$

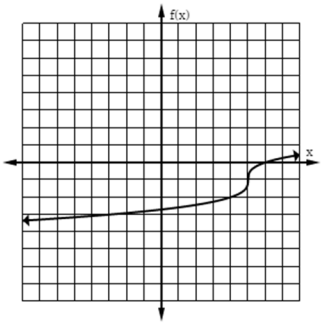
C. $f(x) = \frac{1}{2} \cdot \log(4x)$

B. $f(x) = 2\sqrt{4x}$

D. $f(x) = 2\left(\frac{1}{4}\right)^x$

2. Which graph represents the function $f(x) = \sqrt[3]{x-1} + 5$?

A.



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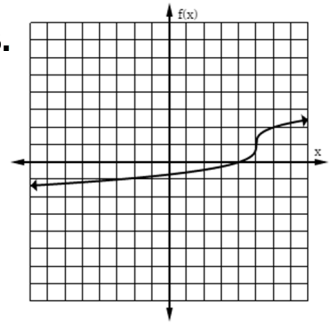
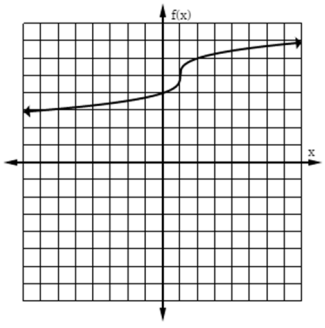
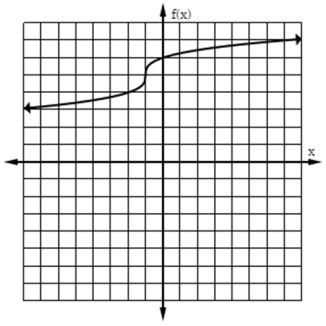


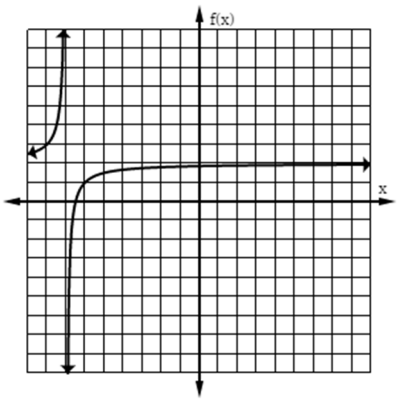
C.



D.



3. Which equation best represents this graph?



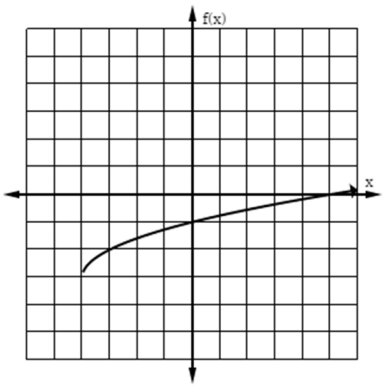
A. $f(x) = \frac{1}{x+7} + 2$

C. $f(x) = \frac{-1}{x+7} + 2$

B. $f(x) = \frac{1}{x-7} + 2$

D. $f(x) = \frac{-1}{x-7} + 2$

4. Which equation best represents this graph?



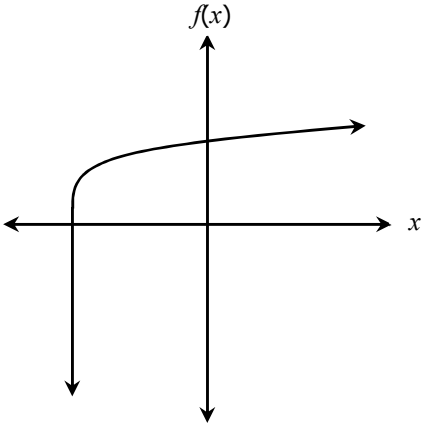
A. $f(x) = \sqrt{x+4} - 3$

C. $f(x) = \log_2(x+4) - 3$

B. $f(x) = \sqrt{x-4} - 3$

D. $f(x) = \log_2(x-4) - 3$

5. The graph of a function is shown below. Which family could this function belong to?



A. Exponential

C. Square Root

B. Logarithmic

D. Rational

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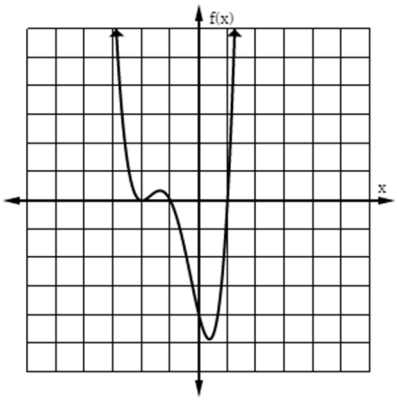
6. The graph of a 4th-degree polynomial is shown. How many real zeros does this function have?



A. 1

B. 2

C. 3

D. 4

7. Which of the following functions has a range of all real numbers?

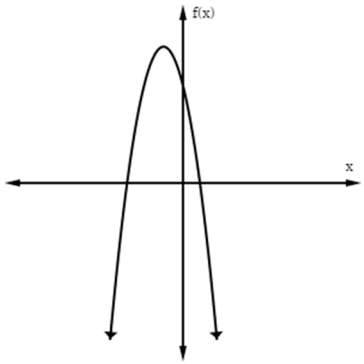
A. $f(x) = \sqrt{x-3}$

B. $f(x) = (x-3)^2$

C. $f(x) = |x-3|$

D. $f(x) = \log_3 x$

8. The graph of a function is shown below. Which function belongs to this same family?



A. $f(x) = 2(x-1)^2 + 3$

B. $f(x) = 2|x-1| + 3$

C. $f(x) = 2^{x-1} + 3$

D. $f(x) = \log_2(x-1) + 3$

9. What is the vertical asymptote of the graph of the equation below?

$$f(x) = \frac{1}{x-5} + 2$$

A. $x = -5$

B. $x = 5$

C. $x = 2$

D. $x = -2$

10. Which is a zero of $f(x) = \log(3x+2)$?

A. $\frac{1}{3}$

B. $\frac{2}{3}$

C. $-\frac{1}{3}$

D. $-\frac{2}{3}$

11. The graph of $f(x) = 3^x - 2$ has –

A. An x-intercept at (-2, 0).

B. An x-intercept at (-1, 0).

C. A y-intercept at (0, -2).

D. A y-intercept at (0, -1).

12. The graph of $f(x) = \frac{-1}{x+4}$ is increasing through which interval?

A. $\{x \mid x \neq 4\}$

B. $\{x \mid x \neq -4\}$

C. $\{x \mid x < -4\}$

D. $\{x \mid x > -4\}$

13. Marlena sketched the graph of the function $f(x) = 4x^7 - x^2 + 1$, then reflected it across the x-axis. As x approaches negative infinity, which of the following describes the end behavior of the reflected function?

A. $f(x) \to 0$

B. $f(x) \to 1$

C. $f(x) \to -\infty$

D. $f(x) \to \infty$

14. Which function has domain of all real numbers greater than or equal to 7?

A. $f(x) = \sqrt{x-7}$

B. $f(x) = (x-7)^2$

C. $f(x) = |x-7|$

D. $f(x) = \sqrt[3]{x-7}$

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Algebra 2 Review:

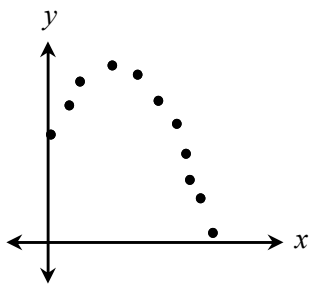
QUIZ 6

Name: _____

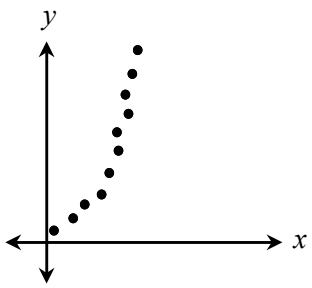
Date: _____ **Per:** _____

1. For which set of data would the equation for the curve of best fit most likely be logarithmic?

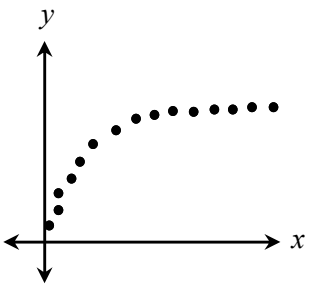
A.



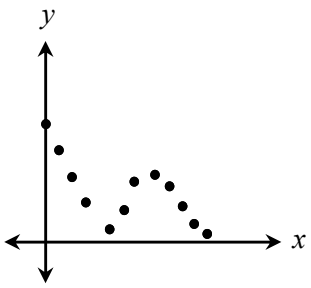
B.



C.



D.



2. The data below shows the cooling temperatures of a hot cup of tea after it is poured into a cup. Assuming the relationship is exponential, find the approximate temperature after 40 minutes.

Time (Minutes)	Temp (°F)
0	184
5	166.32
10	150.34
15	135.9
20	122.84
25	111.04

A. 82°

B. 87°

C. 90°

D. 95°

3. The data in the table below gives the engine speed of a boat (in hundreds of revolutions per minute, or RPMs) for several different boat speeds (in knots). Using a cubic equation to best fit the data, determine the boat speed for an engine speed of 2500 RPMs.

Engine Speed (RPMs)	Boat Speed (Knots)
8	5.59
10	6.88
12	7.63
14	8.04
16	8.29
21	9.4

A. 10.72 knots

B. 11.16 knots

C. 11.87 knots

D. 12.23 knots

Use the following functions for questions 4-6:

$f(x) = x - 7$, $g(x) = x^2 - 3x - 40$, $h(x) = 2x - 9$

4. Find $(g - h)(x)$.

A. $x^2 - 5x - 31$

B. $x^2 - 5x - 49$

C. $x^2 - x - 31$

D. $x^2 - x - 49$

5. Find $(f \cdot g)(x)$.

A. $x^3 - 4x^2 - 19x - 280$

B. $x^3 - 10x^2 - 61x - 280$

C. $x^3 + 4x^2 - 61x + 280$

D. $x^3 - 10x^2 - 19x + 280$

6. Find $(g \circ f)(x)$.

A. $x^2 - 17x - 12$

B. $x^2 - 17x + 30$

C. $x^2 - 3x - 68$

D. $x^2 - 3x + 30$

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7. If $f(x) = x^2 - 16$ and $g(x) = 10 - x$, find $\left(\frac{f}{g}\right)(2)$.

A. $-\frac{2}{3}$ **C.** $-\frac{3}{2}$

B. $\frac{2}{3}$ **D.** $\frac{3}{2}$

8. If $f(x) = x^2 + 5x$ and $g(x) = 3x^2$ find $g(f(-1))$.

A. -72

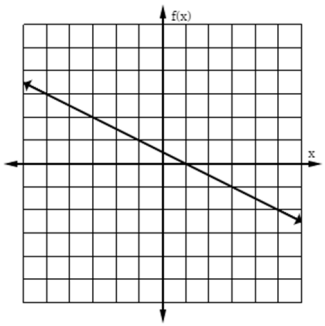
B. 72

C. -48

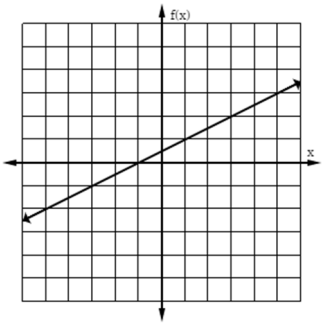
D. 48

9. Which graph shows the inverse of the function $f(x) = 2x - 1$?

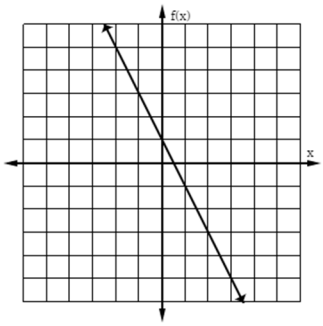
A.



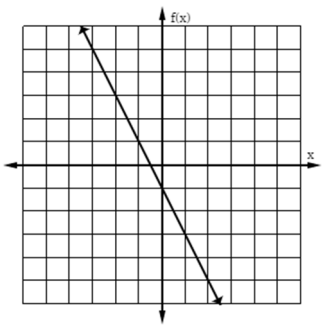
B.



C.



D.



10. Which function is the inverse of $f(x) = \sqrt[3]{x+4}$?

A. $f^{-1}(x) = (x-4)^3$ **C.** $f^{-1}(x) = x^3 - 4$

B. $f^{-1}(x) = \frac{1}{3}x - 4$ **D.** $f^{-1}(x) = 4 - x^3$

11. Which equation represents "z varies inversely with y squared and directly with x?"

A. $z = kx\sqrt{y}$ **C.** $z = \frac{ky^2}{x}$

B. $z = \frac{kx}{y^2}$ **D.** $z = \frac{k}{xy^2}$

12. If m varies jointly with n and p, what is the constant of proportionality when m = 32, n = 3, and p = 8?

A. 8 **C.** 768

B. $\frac{3}{4}$ **D.** $\frac{4}{3}$

13. If y varies directly as the square root of x and inversely as z cubed, and y = 2.5 when x = 16 and z = 2, find z when x is 64 and y is 0.625.

A. 4

B. 8

C. 16

D. 64

14. The volume of a gas varies directly with its temperature and inversely with its pressure. When the temperature is 125 Kelvin and the pressure is 15 lb/cm^2, the volume is 100 m^3. What is the volume when the temperature is 275 Kelvin and the pressure is 25 lb/cm^2?

A. 118 m^3

B. 125 m^3

C. 132 m^3

D. 148 m^3

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Algebra 2 Review:

QUIZ 7

Name: _____

Date: _____ **Per**: _____

1. Which formula can be used to find the n^{th} term in the sequence below?

$$\left\{8, \frac{9}{8}, \frac{10}{27}, \frac{11}{64}, \frac{12}{125}, \ldots\right\}$$

A. $a_n = \frac{n+1}{n^3}$

B. $f(x) = \frac{n+1}{n^2+n}$

C. $a_n = \frac{n+7}{n^3}$

D. $a_n = \frac{8n}{n^3}$

2. What is the seventh term of the sequence defined below?

$$a_1 = 2;\ a_n = 9 - \frac{1}{2}a_{n-1} \quad \text{(for } n \geq 2\text{)}$$

A. $\frac{23}{4}$

B. $\frac{49}{8}$

C. $\frac{95}{16}$

D. $\frac{193}{32}$

3. Identify the formula for the sequence given below.

$$\left\{-4, 2, -1, \frac{1}{2}, -\frac{1}{4}\ldots\right\}$$

A. $a_n = -4 \cdot \left(-\frac{1}{2}\right)^{n-1}$

B. $a_n = -\frac{1}{2}n - 4$

C. $a_n = -4 \cdot \left(\frac{1}{2}\right)^{n-1}$

D. $a_n = \frac{1}{2}(-4n)$

4. What is the 25th term of an arithmetic sequence with a first term of 3 and a common difference of 7?

A. 76

B. 171

C. -158

D. -178

5. What is the 9th term of a geometric sequence with a first term of 12 and a common ratio of -3?

A. $\frac{4}{2{,}187}$

B. 78,732

C. $-\frac{4}{2{,}187}$

D. -78,732

6. Allie used the $1,200 she got from her graduation party to open a savings account. If the account earns 1% interest each month and she makes no additional deposits, how much money will be in the account in 5 years?

A. $1,312.42

B. $3,112.49

C. $2,180.04

D. $2,158.45

7. Evaluate the series: $\sum_{a=1}^{7}(4a^2+1)$

A. 567

B. 202

C. 825

D. 370

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8. What is the sum of the first 20 terms of the series below?

$$\left\{\frac{1}{3}+1+\frac{5}{3}+\frac{7}{3}+3+\ldots\right\}$$

A. $\frac{200}{3}$ **C.** $\frac{400}{3}$

B. $\frac{410}{3}$ **D.** 140

9. What is the sum of the first 8 terms of the series below?

$$\{-2+12-72+432+\ldots\}$$

A. 394,540

B. 408,620

C. 479,890

D. 671,846

10. Ryan ran 0.5 miles on July 1st. Each day thereafter, he ran 0.3 miles more than the previous day. Find the total number of miles ran in the month of July.

A. 244.9 miles

B. 145.5 miles

C. 176.2 miles

D. 155.0 miles

11. Find the sum of the infinite series below.

$$\left\{16-12+9-\frac{27}{4}+\ldots\right\}$$

A. No sum **C.** 64

B. $\frac{64}{7}$ **D.** $\frac{48}{7}$

12. Mrs. Hartley gave her students a choice board with 16 projects in which they each had to pick three. How many ways could a student choose three projects?

A. 560 **C.** 2,304

B. 48 **D.** 3,360

13. How many different 5-letter passwords can be made using the letters in the word "TRAPEZOID"?

A. 125 **C.** 12,280

B. 524 **D.** 15,120

14. The heights of 150 oak trees are normally distributed with a mean of 84 feet and a standard deviation of 3 feet. About how many trees fall within two standard deviations of the mean?

A. 102 trees **C.** 143 trees

B. 125 trees **D.** 148 trees

Use for questions 15-16: The wait time of various rides at the amusement park is normally distributed with a mean of 15 minutes and a standard deviation of 4 minutes.

15. What is the probability that someone will wait for at least 20 minutes?

A. 89.4% **C.** 82.1%

B. 10.6% **D.** 17.9%

16. What is the probability that someone will wait between 8 and 18 minutes?

A. 68.1% **C.** 59.4%

B. 73.3% **D.** 79.5%

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