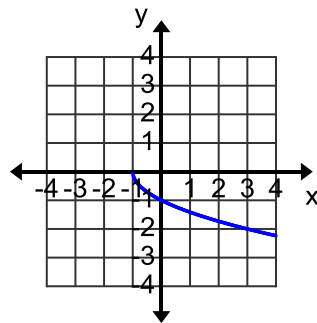


Trig Review Quiz 0-6 C

- _____1. $a - 2\sqrt{a^2 + 8a - 20}$
 A. $a + 10$ B. $a - 10$ C. $a + 10 + \frac{2}{a-2}$ D. None of the above
- _____2. If $f(n) = 2n - 5$ and $g(n) = 4n - 1$, what is $f(g(n))$?
 A. $8n - 7$ B. $8n - 6$ C. $8n - 21$ D. $8n - 19$
- _____3. What is the domain of $f(x) = x^2 - 16$?
 A. $x = 4$ B. $x > 4$ C. $x < 4$ D. \mathbb{R}
- _____4. What is the slope of the line tangent to the graph of $f(x) = 2x^3 + x^2$ at the point $(2, 20)$?
 A. 22 B. 24 C. 28 D. 32
- _____5. How many different ways can a 10 question True/False quiz be answered?
 A. 20 B. 512 C. 1024 D. 2156
- _____6. What is the slope of the line between the point $(2, 3n)$ and $(0, 3n - 8)$?
 A. -8 B. 4 C. 8 D. -4
- _____7. Give a third point that must be on a parabola that has a vertex $= (-2, 7)$ and point $= (-3, 10)$?
 A. $(-1, 7)$ B. $(-1, 10)$ C. $(-4, 7)$ D. $(-4, 10)$
- _____8. What is the horizontal asymptote of $y = \frac{x+5}{x^2+3x+2}$?
 A. none exists B. $y = 0$ C. $y = 1$ D. $y = x + 1$
- _____9. Evaluate $\sum_{n=-1}^1 n^2 - 1$
 A. -2 B. -1 C. 0 D. -3
- _____10. What equation is graphed below?



- A. $-\sqrt{x} + 1$ B. $-\sqrt{x-1}$ C. $-\sqrt{x} - 1$ D. $-\sqrt{x+1}$