

Trig Review Quiz 0-7 B

- _____1. A triangle has side lengths of 4, 6, and 9. Which formula would give you the area?
A. Law of Cosines B. Law of Sines C. Hero's Formula D. Discriminant Formula
- _____2. Find the equation of the line, in slope intercept form, that is perpendicular to the line $y = \frac{1}{2}x - 4$ and goes through the point (1, 2).
A. $y = -2x + 4$ B. $y = -2x - 4$ C. $y = 2x - 4$ D. None of the above
- _____3. What is the slope from (n, 6) to (n + 2, 7)?
A. 1 B. $\frac{1}{2}$ C. 0 D. 2
- _____4. Which equation is perpendicular to $y = 7x + 2$?
A. $y = 3x + 2$ B. $y = -\frac{1}{7}x - 8$
C. $y = \frac{1}{7}x + 2$ D. $y = \frac{1}{7}x - 2$
- _____5. If $f(x) = x - 1$ and $g(x) = 4x$, what is $f(g(5))$?
A. 19 B. 16 C. $16x - 1$ D. $12x + 4$
- _____6. (0, 0) is a critical point on $f(x) = x^3 - 4x$. What is it?
A. Relative minimum B. Relative maximum C. Point of Inflection
- _____7. Evaluate $\sum_{n=-1}^1 5n^2 - 1$
A. -3 B. -4 C. 3 D. 7
- _____8. What is the domain of $f(x) = \sqrt{2x-4}$?
A. $x \neq 2$ B. $x > 2$ C. $x \geq 2$ D. $x < 4$
- _____9. In interval notation, what is $y > -3$?
A. $(-\infty, -3)$ B. $(-\infty, -3]$ C. $(-3, \infty)$ D. $[-3, \infty)$
- _____10. There are 5 people in my class. I must pick two of them to help me clean up the room. How many different ways could I pick the two?
A. 20 B. 120 C. 10 D. None of the above