

Trig Review Quiz 0-8 F

- _____1. What is the value of y in $\begin{cases} 2x - 2y = 8 \\ 3x + y = 8 \end{cases}$
- A. $y = 3$ B. $y = -1$ C. $y = \frac{1}{2}$ D. None of the above
- _____2. What is the slope from $(n, 6)$ to $(n + 2, 7)$?
- A. 1 B. $\frac{1}{2}$ C. 0 D. 2
- _____3. Which letter has a horizontal line of symmetry?
- A. A B. D C. G D. Z
- _____4. What is the domain of $f(x) = \sqrt{x-1}$
- A. $\mathbb{R} : x \neq 1$ B. $\mathbb{R} : x > 1$ C. $\mathbb{R} : x \geq 1$ D. $\mathbb{R} : x \leq 1$
- _____5. $\left(\frac{9a^{-1}}{b^8}\right)^{-2}$
- A. $\frac{a^2b^{16}}{81}$ B. $\frac{b^{16}}{81a^2}$ C. $\frac{b^{64}}{81a^2}$ D. None of the above
- _____6. If matrix A is 2×4 , B is 3×4 , and C is 4×4 , which matrices could you multiply together?
- A. $A \cdot B$ B. $C \cdot A$ C. $A \cdot C$ and $A \cdot B$ D. $B \cdot C$ and $A \cdot C$
- _____7. What is the slope of the line tangent to the graph of $f(x) = 2x^3 - x^2 + x$ at the point $(2, 14)$?
- A. 24 B. 21 C. 28 D. 26
- _____8. What is $\frac{\pi}{6}$ radians in degree measurement?
- A. 10° B. 30° C. 45° D. 60°
- _____9. If the discriminant value in the quadratic equation comes up to be 0, how many solutions exist?
- A. 0 B. 1 C. 2 D. 3
- _____10. Find the equation of the line, in slope intercept form, that goes through the point $(1, 2)$ and $(-2, -4)$.
- A. $y = -2x + 4$ B. $y = -2x - 4$ C. $y = 2x - 3$ D. None of the above