

Trig Review Quiz 19

Name _____

- _____1. What is the domain of $f(x) = \sqrt{x-3}$?
A. $x \neq 3$ B. $x > 3$ C. $x \geq 3$ D. None of the above
- _____2. What is the domain of $f(x) = \frac{x^3}{x-3}$?
A. $x \neq 3$ B. $x > 3$ C. $x \geq 3$ D. None of the above
- _____3. What is the domain of $f(x) = x^3 - 8$?
A. $x \neq 2$ B. \mathbb{R} C. $x \geq 2$ D. $x > 2$
- _____4. What is the slope from $(n, 6)$ to $(n + 2, 7)$?
A. 1 B. $\frac{1}{2}$ C. 0 D. 2
- _____5. What is the value of y in $\begin{cases} 5x - 2y = 2 \\ 3x - 3y = -15 \end{cases}$?
A. $y = -9$ B. $y = 0$ C. $y = -8$ D. None of the above
- _____6. Which matrix below doesn't have a determinant?
A. $\begin{bmatrix} 0 & 2 \\ 1 & 0 \end{bmatrix}$ B. $\begin{bmatrix} -5 & 2 \\ 2 & -5 \end{bmatrix}$ C. $\begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix}$ D. $\begin{bmatrix} 4 & 2 \\ 6 & 3 \end{bmatrix}$
- _____7. If A is a 4 x 5 matrix, B a 4 x 3 matrix, and C a 3 x 5 matrix, what matrices could be multiplied?
A. A and B B. A and C C. B and C D. All of them could be
- _____8. $\frac{76!}{74!3!}$
A. 450 B. 950 C. 1050 D. None of the above
- _____9. How many different ways can one answer a 10 question multiple choice test that has options A, B, C, and D?
A. 210 B. 2520 C. 5040 D. None of the above
- _____10. In interval notation, what is $x \leq 3$?
A. $(3, \infty)$ B. $[3, \infty)$ C. $(-\infty, 3)$ D. $(-\infty, 3]$