

Trig Review Quiz 0-4 F

- _____1. Simplify $\sqrt{-80a^2}$
A. $4a\sqrt{5}$ B. $2ai\sqrt{10}$ C. $4ai\sqrt{5}$ D. None of the above
- _____2. What is the value of y in System $\begin{cases} y = 3x - 5 \\ y = 2x - 1 \end{cases}$?
A. $y = 11$ B. $y = 7$ C. $y = 6$ D. None of the above
- _____3. 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
- _____4. $\sum_{n=-2}^3 2 - n$?
A. 9 B. 11 C. 12 D. 13
- _____5. Simplify $\sqrt[4]{a^8 b^2 c^{13}}$
A. $ac^3 \sqrt[4]{b^2 c}$ B. $a^2 c^3 \sqrt[4]{b^2 c}$ C. $a^2 b c^3 \sqrt[4]{c}$ D. $a^2 c^2 \sqrt[4]{b^2 c^2}$
- _____6. From the 10 shirts I have, I must pick 3 to pack for my vacation. How many different looks would I have on my vacation?
A. 120 B. 540 C. 720 D. 1140
- _____7. What is the domain of $y = x - 4$?
A. $x > 4$ B. $x \neq 4$ C. $x < 4$ D. \mathbb{R}
- _____8. Solve $x^3 + 6x^2 + 5x = 0$
A. $x = 0$ or $x = -3$ or $x = -2$ B. $x = 0$ or $x = 5$ or $x = 1$
C. $x = 0$ or $x = -5$ or $x = -1$ D. $x = 0$ or $x = 3$ or $x = 2$
- _____9. $[1 \ -3 \ 0] \cdot \begin{bmatrix} 2 \\ 1 \\ 5 \end{bmatrix}$ **NO CALCULATOR ALLOWED!**
A. $[2]$ B. $[0]$ C. $[-1]$ D. Not possible
- _____10. Simplify $2(2n - 4) - (6n - 2)$
A. $-2n - 10$ B. $-2n - 6$ C. $2n - 10$ D. None of the above