Trig Review Quiz 0-5 F

_____ 1. What is the distance from (1, 4) to (5, 8)?

A. $2\sqrt{2}$ B. 8 C. $4\sqrt{2}$ D. 4

_____ 2. What is the midpoint of (1, 3n) and (7, n + 6)

A. (4, 2n) B. (4, 2n + 3) C. (4, n + 3) D. None of the above

_____ 3. Simplify $\sqrt{20a^3y^{10}}$

A. $2ay^5\sqrt{5ay}$ B. $5ay^5\sqrt{2a}$ C. $2ay^5\sqrt{5a}$ D. $5ay^5\sqrt{2ay}$

_____ 4. What is the value of y in $\begin{cases} 2x - y = 8 \\ 3x + y = 12 \end{cases}$

A. y = 1 B. y = 4 C. y = 2 D. None of the above

_____ 5. Solve $|x-1| > 5$

A. x > 6 or x <-4 B. -4 < x < 6

C. x > -4 or x < 6 D. -4 > x > 6

_____ 6. Which letter below has a vertical line of symmetry?

A. A B. B C. C D. D

_____ 7. If A = $\begin{bmatrix} 2 & 3 \\ 4 & -1 \end{bmatrix}$ and B = $\begin{bmatrix} -2 & 3 \\ 2 & 0 \end{bmatrix}$, what is AB

A. $\begin{bmatrix} 2 & 6 \\ -10 & 12 \end{bmatrix}$ B. $\begin{bmatrix} -10 & 6 \\ -6 & 12 \end{bmatrix}$ C. $\begin{bmatrix} 12 & -6 \\ 10 & 2 \end{bmatrix}$ D. None of the above

_____ 8. 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. $y = \frac{1}{7}x - 2$

_____ 9. 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

_____ 10. Perform the following division $n-2\overline{)n^2+3n-1}$

A. $n+5+\frac{-11}{n-2}$ B. $n+5+\frac{9}{n-2}$ C. $n+1+\frac{1}{n-2}$ D. $n+1+\frac{-3}{n-2}$