

Trig Review Quiz 14

Name: _____

- _____ 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 name of my dog?
A. Mars B. Square root C. Sydney D. Muttt Face
- _____ 5. $\sum_{n=-2}^1 2n-1$?
A. -10 B. -9 C. -8 D. -6
- _____ 6. If $f(x) = 3x - 10$ and $g(x) = 2x + 1$, what is $f(g(x))$?
A. $6x - 19$ B. $6x - 13$ C. $6x + 13$ D. $6x - 7$
- _____ 7. When signing up for a new membership in "Math Educators of the USA" I had to make a passcode which could be a mixture of numbers or letters (no symbols). If the passcode had to be 6 characters long, how many options existed for me?
A. Between 1 and 10,000 C. Between 1,000,000 and 3,000,000
B. Between 10,001 and 999,999 D. Over 3,000,000
- _____ 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. $n+1+\frac{-3}{n-2}$