

Trig Review Quiz 0-6 E

- _____ 1. On this 10 question multiple choice quiz which has 4 choices, how many different answer keys could be made?
A. 10 B. 210 C. 5040 D. 1,048,576
- _____ 2. 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. 21 B. 24 C. 26 D. 28
- _____ 3. 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
- _____ 4. Simplify $\frac{n^2 + 6n + 8}{n^2 + 7n + 12}$
A. $\frac{n+2}{n+3}$ B. $\frac{n+3}{n+4}$ C. $\frac{n+6}{n+4}$ D. $\frac{n+1}{n+4}$
- _____ 5. Simplify $2(2n - 4) - (6n - 2)$
A. $-2n - 10$ B. $-2n - 6$ C. $2n - 10$ D. None of the above
- _____ 6. (0, 0) is a critical point on $f(x) = x^3 - 4x$. What is it?
A. Relative minimum B. Relative maximum C. Point of Inflection
- _____ 7. Give 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
- _____ 8. 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
- _____ 9. $|x - 1| > 5$
A. $x > 6$ or $x < -4$ B. $-4 < x < 6$
C. $x > -4$ or $x < 6$ D. $-4 > x > 6$
- _____ 10. Factor $y^3 - 8$