Trig Review Quiz 0-5 D

Name _____

_____1. Simplify $2(2n - 4) - (6n - 2)$

A. $-2n - 10$ B. $-2n - 6$ C. $2n - 10$ D. None of the above

_____2. Simplify $(2n^3 + 5n)(4n^3 + 2n)$

A. $8n^6 + 24n^4 + 10n^2$ B. $8n^9 + 24n^4 + 10n^2$

C. $8n^6 + 20n^3 + 10n$ D. $8n^9 + 24n^3 + 10n^2$

_____3. Simplify $\frac{4a^2c^4}{6ac^5}$

A. $-\frac{2a}{3c}$ B. $\frac{4a}{6c}$ C. $\frac{2a}{3c}$ D. None of the above

_____4. 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. $n+1+\frac{-3}{n-2}$

_____5. Simplify $\left(\frac{n^2y^{-2}}{a^{-4}}\right)^2$

A. $\frac{n^4y^4}{a^{16}}$ B. $\frac{n^4y^4}{a^8}$ C. $\frac{n^4a^{16}}{y^4}$ D. $\frac{n^4a^8}{y^4}$

_____6. $\sum_{n=-2}^{1} 2n-1$?

A. -10 B. -9 C. -8 D. -6

_____7. What is the slope from (1, 4) to (3, 10)?

A. 6 B. 2 C. 3 D. -2

_____8. What is the distance from (-3,-2) to (1, -6)?

A. $4\sqrt{2}$ B. $3\sqrt{2}$ C. $2\sqrt{3}$ D. $2\sqrt{2}$

_____9. What is the horizontal asymptote of $y=\frac{x^3+5}{2x^3+1}$?

A. y = 0 B. $y=\frac{1}{2}$ C. y = 1 D. No horizontal asymptote

_____10. From the 20 kids in the class, I must pick 2 to represent my homeroom as Class Officers. How many possibilities exist?

A. 80 B. 190 C. 380 D. 720