

# Trig Review Quiz 0-3 F

\_\_\_\_ 1. Simplify  $(n + 5)^2$   
 A.  $n^2 + 25$       B.  $n^2 + 10$       C.  $n^2 + 10n + 25$       D.  $n^2 + 10n + 10$

\_\_\_\_ 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  $\sqrt[3]{x^4 y^{10}}$   
 A.  $xy^4 \sqrt[3]{xy}$       B.  $xy^3 \sqrt[3]{xy^2}$       C.  $xy^3 \sqrt[3]{xy}$       D.  $xy \sqrt[3]{y}$

\_\_\_\_ 4. Solve for n:  $4(2n + 5) + 2(3n + 5) = 10n + 22$   
 A.  $n = -4$       B.  $n = \frac{1}{2}$       C.  $n = -2$       D.  $n = 2$

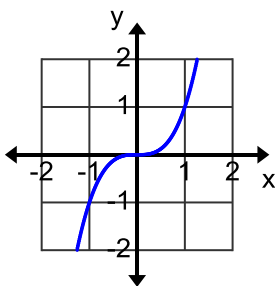
\_\_\_\_ 5. Which is the equation that is parallel to  $y = 5x - 2$  and goes through  $(1, 1)$ ?  
 A.  $5x - y = 4$       B.  $5x - 2y = 3$       C.  $5x + y = 6$       D.  $-5x - y = -6$

\_\_\_\_ 6. Simplify  $(a^{-3} b^{-2})^{-2}$   
 A.  $\frac{-1}{a^6 b^4}$       B.  $\frac{a^6}{b^4}$       C.  $\frac{1}{a^6 b^4}$       D.  $a^6 b^4$

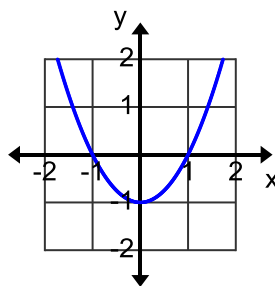
\_\_\_\_ 7. Evaluate  $\sum_{n=-1}^1 2n - 1$   
 A. -4      B. -3      C. -2      D. 0

\_\_\_\_ 8. Simplify  $\frac{n^2 + 9n - 10}{n^2 - 3n - 4}$   
 A.  $\frac{n+10}{n+4}$       B.  $\frac{n+10}{n-4}$       C.  $\frac{n+6n-6}{1}$       D. Doesn't simplify

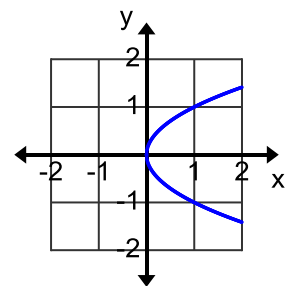
\_\_\_\_ 9. Which graph below is not a function?



A.



B.



C.

\_\_\_\_ 10. What is the domain of  $f(x) = x^3 - 8$ ?  
 A.  $x \neq 2$       B.  $\mathbb{R}$       C.  $x \geq 2$       D.  $x > 2$