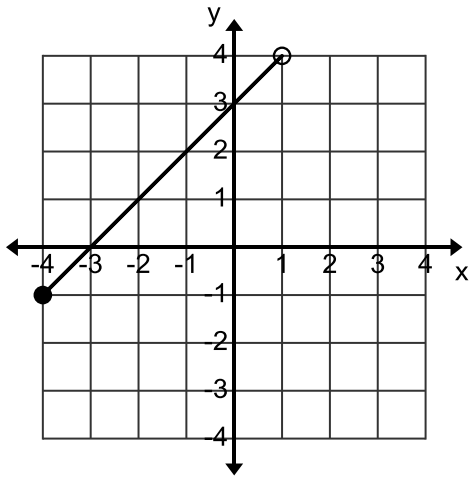


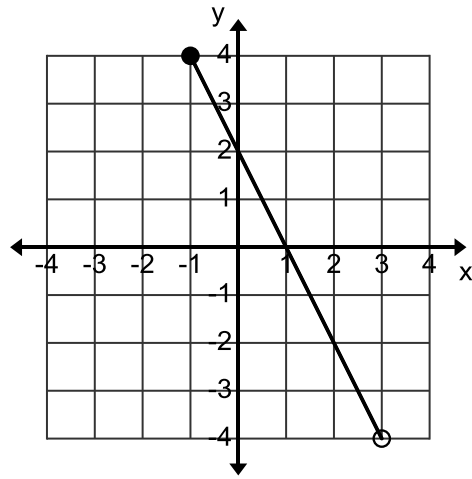
# Trig Review Quiz 10

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. 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.  $n+1+\frac{-3}{n-2}$
- \_\_\_\_\_4. Simplify  $\left(\frac{2a^3}{5b^2}\right)^{-2}$   
A.  $\frac{25b^4}{4a^6}$       B.  $\frac{4b^4}{25a^6}$       C.  $\frac{25a^6}{4b^4}$       D.  $\frac{25a^6b^4}{4}$
- \_\_\_\_\_5. Which set of points would be a function?  
A.  $(2, 6), (3, 4), (2, 10)$       B.  $(1, 1), (2, 2), (1, 3)$   
C.  $(1, 9), (2, 9), (5, 9)$       D. None are functions
- \_\_\_\_\_6. If  $f(x) = 3x - 1$  and  $g(x) = 2x + 1$ , what is  $f(g(2))$ ?  
A. 12      B. 11      C. 14      D. 13
- \_\_\_\_\_7. What is the domain of  $f(x) = \frac{x^3}{x-3}$ ?  
A.  $x \neq 3$       B.  $x > 3$       C.  $x \geq 3$       D. None of the above
- \_\_\_\_\_8. What is the inverse of  $f(x) = 3x - 5$ ?  
A.  $y = \frac{x+5}{3}$       B.  $y = \frac{x+3}{5}$       C.  $y = \frac{x}{3} + 5$       D.  $y = \frac{x-3}{5}$
- \_\_\_\_\_9. What is the **domain** of the graph I on the back?  
A.  $\mathbb{R} : -1 < x \leq 4$       B.  $\mathbb{R} : -1 \leq x < 4$       C.  $\mathbb{R} : -4 < x \leq 1$       D.  $\mathbb{R} : -4 \leq x < 1$
- \_\_\_\_\_10. What is the **range** of the graph II on the back?  
A.  $\mathbb{R} : -1 < y \leq 3$       B.  $\mathbb{R} : -1 \leq y < 3$       C.  $\mathbb{R} : -4 < y \leq 4$       D.  $\mathbb{R} : -4 \leq y < 4$



I



II