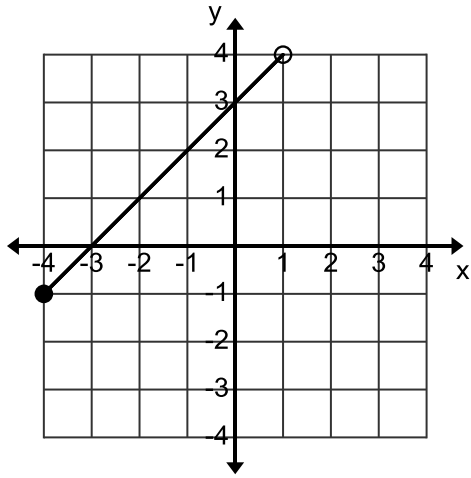


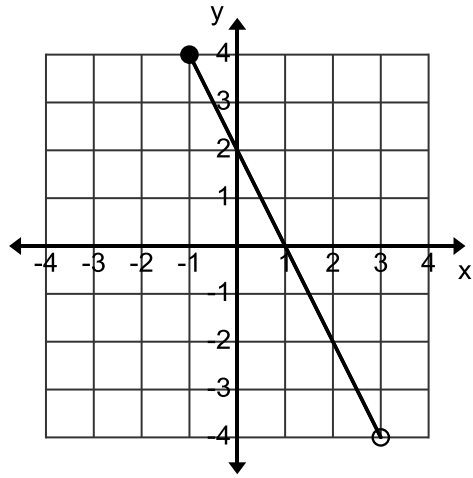
# Trig Review Quiz 20

Name \_\_\_\_\_

- \_\_\_\_\_1. 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.  $\mathbb{R} : -4 \leq x < 1$
- \_\_\_\_\_2. 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.  $\mathbb{R} : -4 \leq y < 4$
- \_\_\_\_\_3. What is the value of  $y$  in  $\begin{cases} y = 3x - 5 \\ y = 2x - 1 \end{cases}$ ?  
A.  $y = 11$     B.  $y = 7$     C.  $y = 6$     D. None of the above
- \_\_\_\_\_4. What is  $AB$ ? **NO CALCULATOR ALLOWED!**  
A.  $\begin{bmatrix} 3 & -8 \\ 2 & -20 \end{bmatrix}$     B.  $\begin{bmatrix} 3 & -16 \\ 2 & -12 \end{bmatrix}$     C.  $\begin{bmatrix} 6 & -6 \\ -2 & -16 \end{bmatrix}$     D. None of the above
- \_\_\_\_\_5.  $\sum_{n=-2}^3 2 - n$ ?  
A. 9    B. 11    C. 12    D. 13
- \_\_\_\_\_6. From the 10 shirts I have, I must pick 3 to pack for my vacation. How many different looks would I have on my vacation?  
A. 120    B. 540    C. 720    D. 1140
- \_\_\_\_\_7. I have a safe in my house that has a key pad on it with the digits 0 – 9 on it. If my combination is a 5 digit code, how many possible combinations exist?  
A. 252    B. 67,000    C. 100,000    D. 212,540
- \_\_\_\_\_8. What is the domain of  $f(x) = \frac{2x}{2x-6}$ ?  
A.  $x \neq 3$     B.  $x > 3$     C.  $x \geq 3$     D.  $\mathbb{R}$
- \_\_\_\_\_9.  $\frac{215!}{213!}$   
A. 23,220    B. 46, 010    C. 52,300    D. None of the above
- \_\_\_\_\_10. Perform the following division  $n+2 \overline{)n^2+5n+2}$   
A.  $n+3 + \frac{8}{n+2}$     B.  $n+3 + \frac{-4}{n+2}$     C.  $n+7 + \frac{-12}{n+4}$     D.  $n+7 + \frac{16}{n+4}$



I



II