

## FER #2--Skills (9-15)

Date \_\_\_\_\_

**Skill#9--Solving Multi-Step Absolute Value Equations**

1)  $2 + \left| \frac{x}{2} \right| = 7$

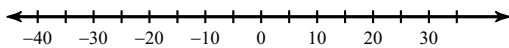
2)  $|-2x| - 10 = 4$

3)  $|2 + 6b| = 4$

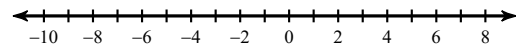
4)  $|7n + 5| = 9$

**Skill#10--Solving One-Step Absolute Value Inequalities**

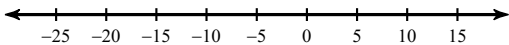
5)  $\left| \frac{x}{7} \right| > 5$



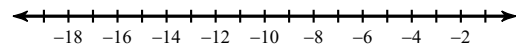
6)  $|4m| \geq 20$

**Skill#11--Solving Multi-Step Absolute Value Inequalities**

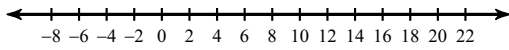
7)  $\frac{|n + 6|}{4} \leq 5$



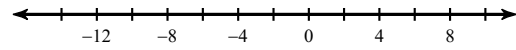
8)  $\frac{|10 + x|}{2} > 3$



9)  $|k - 6| \geq 12$



10)  $|-r - 3| \geq 9$



**Skill #12--'y'-Form**

**Rewrite each equation in Slope-Intercept Form. ( $y = mx + b$ )**

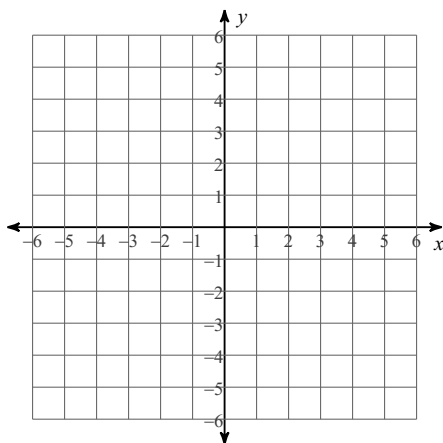
11)  $x - 8y = 32$

12)  $3x - 2y = 13$

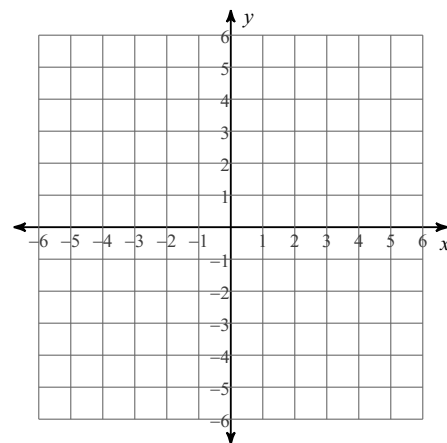
13)  $9x + 5y = 30$

**Skill #13--Graph each line using the y-int and the slope.  
(Rewrite in y-form when needed).**

14)  $y = x - 5$



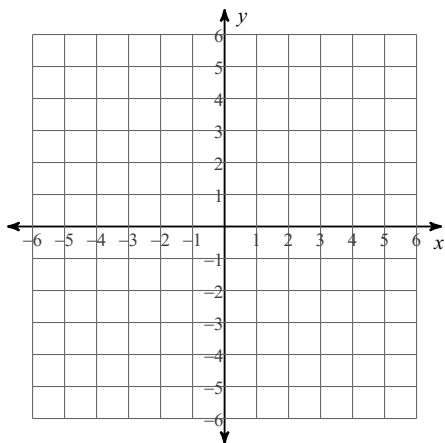
15)  $x - 3y = -6$



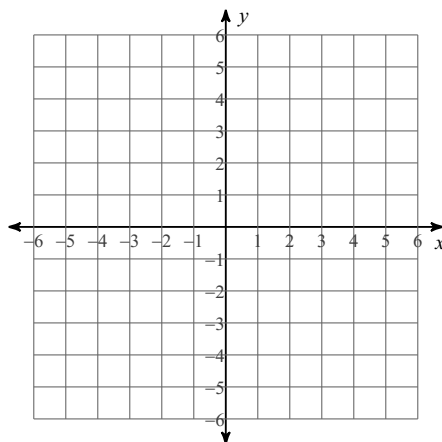
**Skill#14--Graph each line using an x/y table.**

**(Make sure your table includes a positive number, zero and a negative number).**

16)  $y = -\frac{3}{5}x + 3$

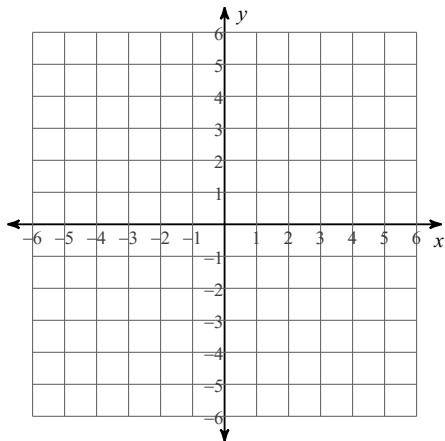


17)  $y = -x + 5$



**Skill #15--Graph each line by finding the x and y intercepts.**

18)  $2x - 3y = -6$



19)  $5x + y = 4$

