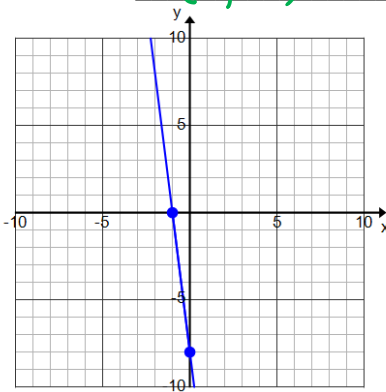


Unit 3 Day 25 Homework

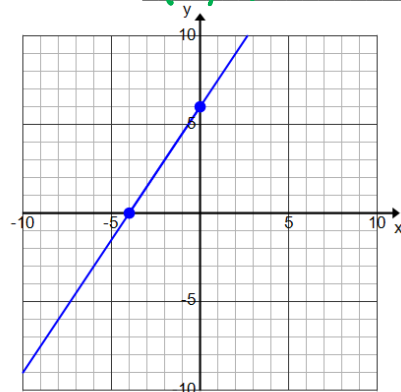
Name: _____

Use a graph to find intercepts: Label the x – intercept and the y – intercept of the graphs below.

1) x – intercept: $(-1, 0)$
 y – intercept: $(0, -8)$

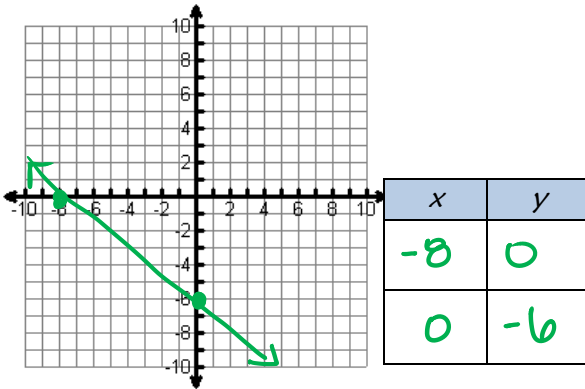


2) x – intercept: $(-4, 0)$
 y – intercept: $(0, 6)$



Use intercepts to graph an equation: Use intercepts in order to graph the equation below.

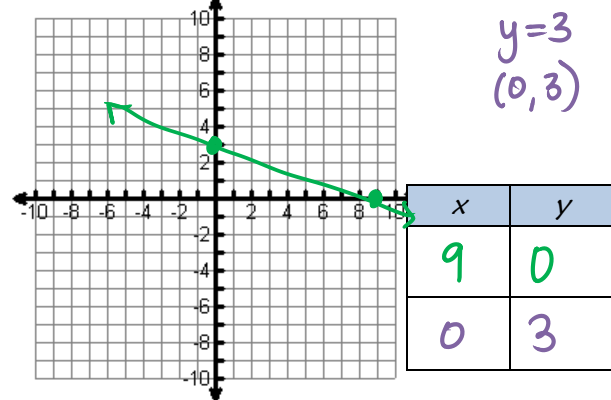
3) x – intercept: $-8 \rightarrow (-8, 0)$
 y – intercept: $-6 \rightarrow (0, -6)$



4) $x + 3y = 9$

x-int: $x + 3(0) = 9$
 $x = 9$
 $(9, 0)$

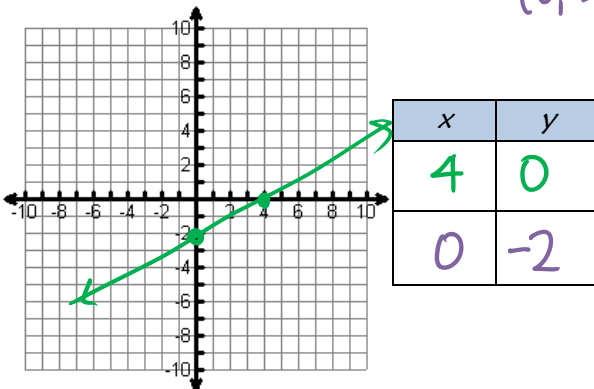
y-int: $0 + 3y = 9$
 $3y = 9$
 $\frac{3y}{3} = \frac{9}{3}$
 $y = 3$
 $(0, 3)$



5) $4x - 8y = 16$

x-int: $4x - 8(0) = 16$
 $4x = 16$
 $x = 4$
 $(4, 0)$

y-int: $4(0) - 8y = 16$
 $-8y = 16$
 $y = -2$
 $(0, -2)$



6) $-3x + 4y = 24$

x-int: $-3x + 4(0) = 24$
 $-3x = 24$
 $x = -8$
 $(-8, 0)$

y-int: $-3(0) + 4y = 24$
 $4y = 24$
 $y = 6$
 $(0, 6)$

