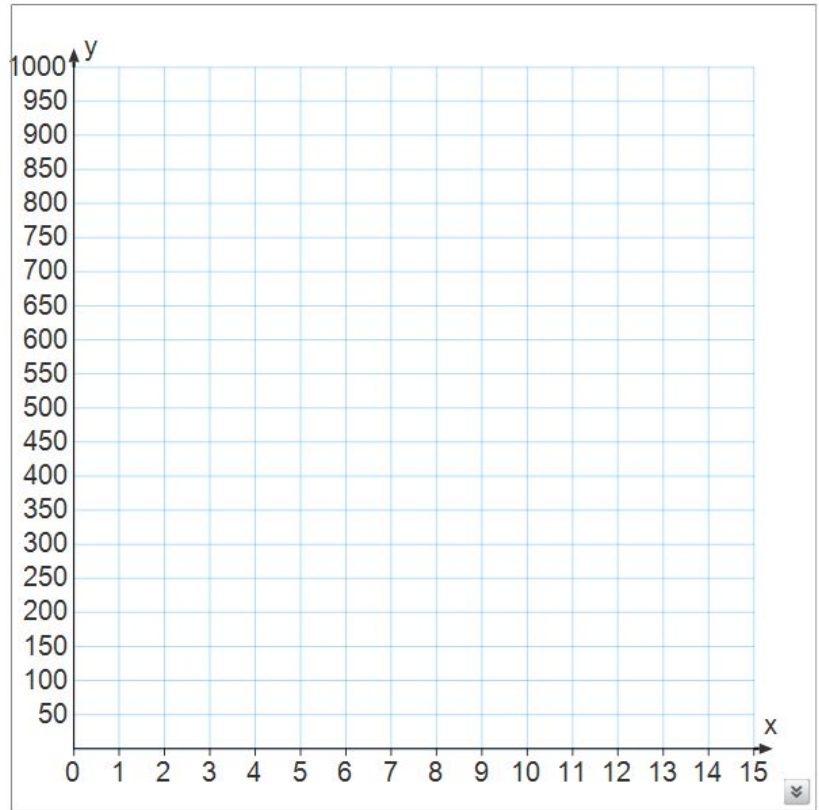


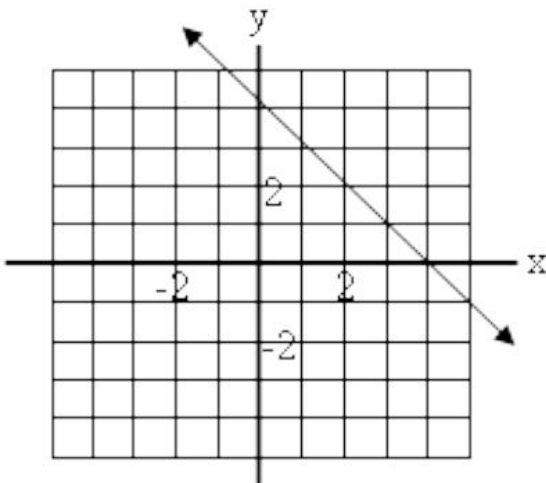
Warm-Up Question:

1. Jim paid \$550 for his smart phone and he pays \$50 per month for his data package. Draw a graph of the total amount that Jim spends for his phone for one year. What is the equation of the line that models the total cost?



The **x-intercept** is the _____ of the point where the line intersects the _____ axis.

The **y-intercept** is the _____ of the point where the line intersects the _____ axis.



To find the **y-intercept**:

To find the **x-intercept**:

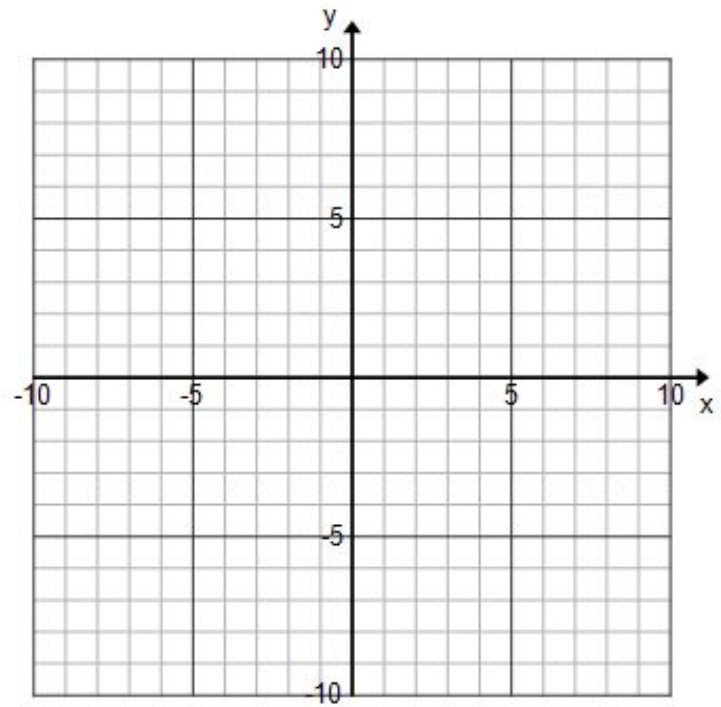
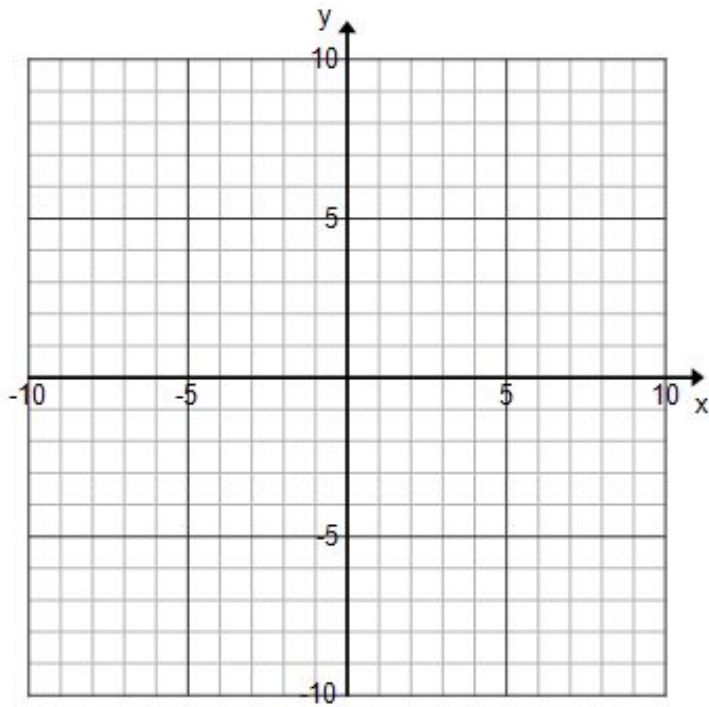
Example 1: Find the x - and y -intercepts and graph them on the grid provided.

a) $4x - 2y - 8 = 0$
 x -intercept:

b) $2x - 3y - 10 = 0$
 x -intercept:

y -intercept:

y -intercept:



Try on your own.....

Determine the x - and y -intercepts and then graph.

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

