

Lesson 11.2: Intercepts of Linear Functions

Targets

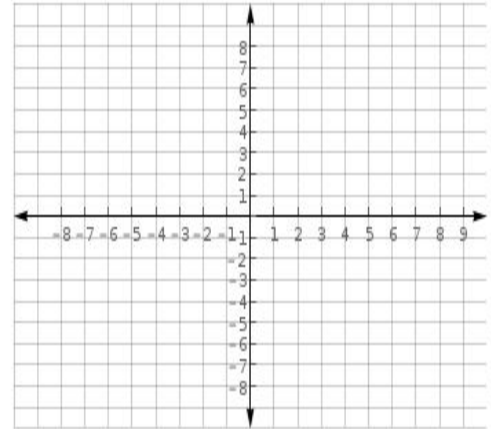
1. I can find intercepts of linear functions.

Finding Intercepts from an Equation

First attempt this problem on your own. Then watch the video and copy his notes.

Use this equation to do the following: $-5x + 4y = 20$

- Find the x-intercept
- Find the y-intercept
- Graph the equation



x- and y-intercepts 2

First attempt this problem on your own. Then watch the video and copy his notes.

- Find the x-intercept and the y-intercept of this equation: $2y + \frac{1}{3}x = 12$

Your attempt:

x-intercept =

y-intercept =

Video Notes:

x-intercept =

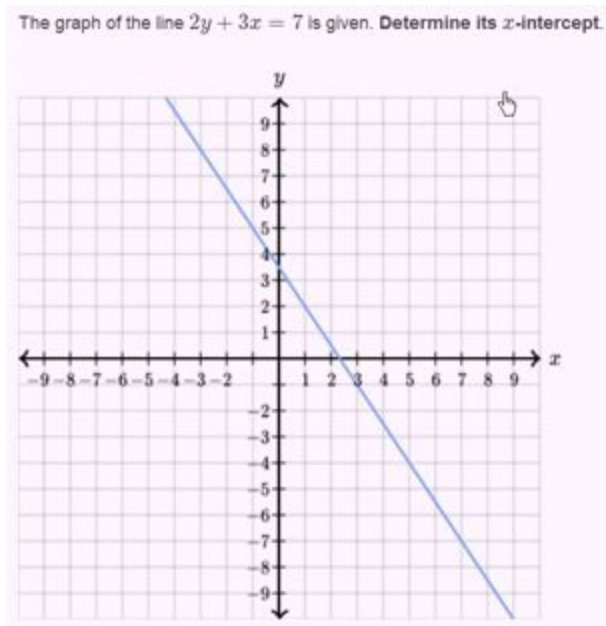
y-intercept =

Khan Activity: Intercepts from a Linear Equation

Complete this activity on Khan.

Finding the x-intercept of a Line

First attempt this problem on your own. Then watch the video and copy his notes.



Khan Activity: Intercepts from a Graph

Complete this activity on Khan.

Equation of a Line from Fractional Slope and Point

First attempt this problem on your own. Then watch the video and copy his notes.

- Write the equation of the line that has a slope of $\frac{1}{3}$ and contains the point $(-12, -\frac{14}{3})$.

Your attempt:

Video Notes:

Khan Activity: Solving for the y-intercept

Complete this activity on Khan.

Exit Ticket

1. Have all your notes filled out above.
2. Complete the following Khan Academy Activities:
 - a. Intercepts from a Linear Equation
 - b. Intercepts from a Graph
 - c. Solving for the y-intercept