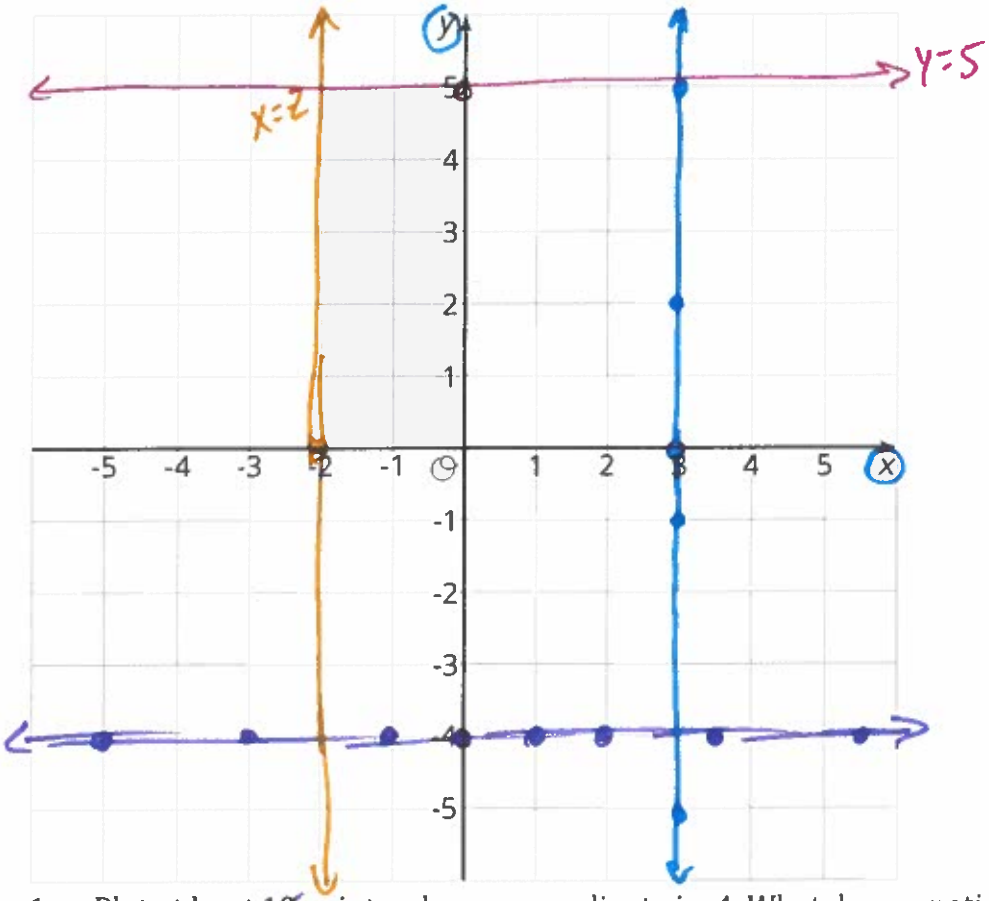
Unit 3, Lesson 11: Equations of All Kinds of Lines

NAME DATE PERIOD

11.2: All the Same



1. Plot at least ~~10~~ 5 points whose y-coordinate is -4. What do you notice about them?

   Horizontal Line

   (x, y) (, -4)

2. Which equation makes the most sense to represent all of the points with y-coordinate -4?

   $x = -4$ $y = -4x$ $y = -4$ $x + y = -4$

3. Plot at least ~~10~~ 5 points whose x-coordinate is 3. What do you notice about them?

   Vertical Line

   (x, y) (3,)

4. Which equation makes the most sense to represent all of the points with x-coordinate 3?

   $x = 3$ $y = 3x$ $y = 3$ $x + y = 3$

5. Graph the equation $x = -2$ and graph the equation $y = 5$.