

Name _____
8th Grade

Mr. Ranney
02/02/11

5.5
15

Identify the pairs of lines as parallel, intersecting, or identical.

1.

$$y = 2x + 4$$
$$y = \frac{1}{2}x - 3$$

~~intersecting~~
intersecting

Show work!
-2

2.

$$2x + 3y = 5$$
$$y = -\frac{2}{3}x + \frac{5}{3}$$

parallel

3.

$$y - 2 = -(x + 2)$$
$$x + 3y = \frac{1}{2}x - 1$$

intersecting

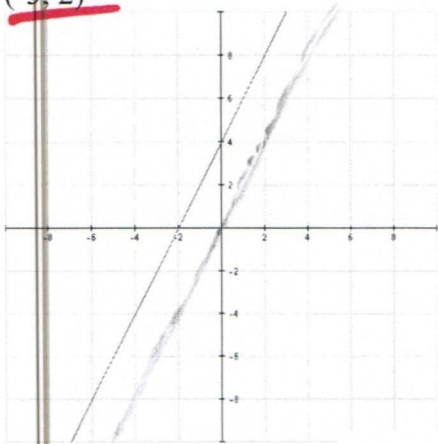
-1

4.

$$y = 5$$
$$\frac{1}{2}x + 3y = 3(\frac{1}{8}x - 1)$$

identical

5. Write an equation of a line that is parallel to the given line and contains point $(-3, 2)$



y=2x

6. Mr. Ranney tries to solve a system of 3 linear equations and finds that there are 2 solutions. What does this mean about the relationship of the lines?

There is an x value and a y value

