BECA / Huson / 11.3 Geometry Name:
October 25, 2016
Classwork: Linear equations (show work & turn in at end of class.)

Homework is p. 55 in the workbook

1.

What is the slope of the line containing the points $(1, -10)$ and $(8, -5)$ in the standard (x, y) coordinate plane?

- a $-\frac{5}{3}$
- b $-\frac{7}{5}$
- c $\frac{5}{7}$
- d $\frac{5}{3}$
- e $\frac{15}{7}$

2.

What is the slope of the line containing the points $(-6, 4)$ and $(-8, -3)$ in the standard (x, y) coordinate plane?

- a $-\frac{7}{2}$
- b -2
- c $-\frac{1}{14}$
- d $\frac{7}{2}$
- e 14

3.

What is the slope of the line containing the points $(2, 10)$ and $(-4, 3)$ in the standard (x, y) coordinate plane?

- a $-\frac{6}{7}$
- b $-\frac{7}{2}$
- c $\frac{7}{6}$
- d $\frac{6}{7}$
- e $\frac{13}{2}$

4.
In the standard (x, y) coordinate plane, what is the slope of the line with equation $6x + y = -1$?

- a -6
- b -1
- c $\frac{1}{6}$
- d 1
- e 6

5.
What is the slope of the line given by the equation $-6x + y = 0$?

- a -6
- b 1
- c 0
- d 1
- e 6

6.
What is the slope of the line containing the points $(-1, 6)$ and $(3, -1)$ in the standard (x, y) coordinate plane?

- a $\frac{5}{2}$
- b $-\frac{7}{4}$
- c $-\frac{5}{4}$
- d $-\frac{4}{5}$
- e $-\frac{5}{7}$

7.
In the standard (x, y) coordinate plane, what is the x-intercept of the line represented by $y = 6x - 4$?

- a -4
- b -2
- c $\frac{2}{3}$
- d $\frac{3}{2}$
- e 4