

## Q3 - Homework #3

Find the slope of the line through each pair of points.

1)  $(-10, -13), (-7, -10)$

2)  $(19, -2), (1, -15)$

3)  $(-9, 0), (20, -10)$

4)  $(-3, 7), (18, 9)$

Find the slope of each line.

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

6)  $y = 2x - 3$

Sketch the graph of each line. All work on looseleaf.

For 7-20. Tip: use graph paper.

7)  $y = -\frac{1}{5}x + 2$

8)  $y = -2x - 2$

9)  $y = 3x - 1$

10)  $y = 2x + 1$

11)  $y = -2x + 5$

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

13)  $y = \frac{3}{4}x$

14)  $y = -2x - 1$

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

16)  $y = -\frac{1}{5}x - 3$

17)  $y = 2x + 3$

18)  $y = -\frac{4}{5}x + 1$

19)  $-y - 5x = 4$

20)  $6x + y + 5 = 0$