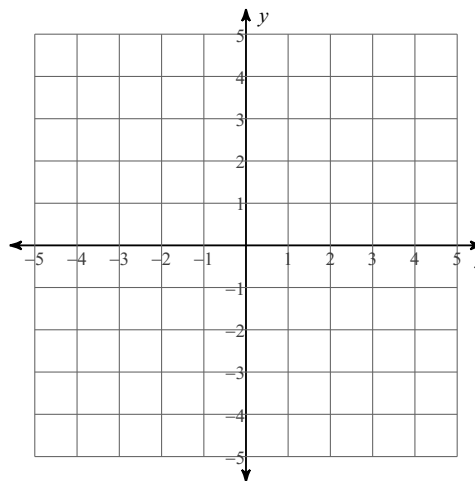
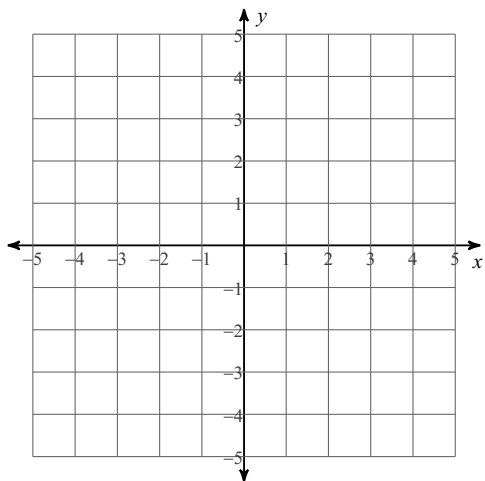


HW14: Points and Slope

Plot each point. You may do so on this paper.

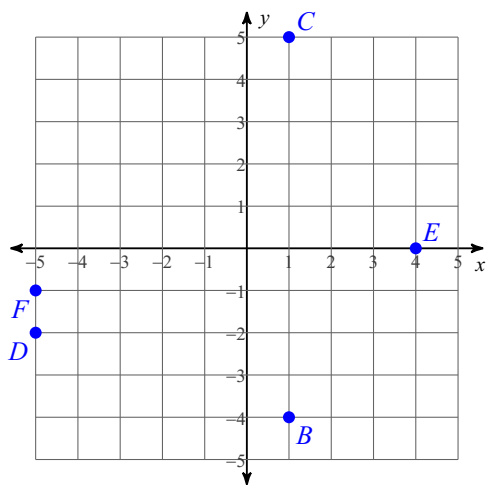
- 1) $C(4, -4)$ $D(-2, -5)$ $E(-3, 3)$
 $F(3, 3)$ $G(-4, -3)$ $H(4, -3)$
 $I(-2, 1)$ $J(-2, -3)$ $K(-5, -2)$
 $L(4, -5)$

- 2) $K(-3, 1)$ $J(2, -2)$ $I(-3, 5)$
 $H(5, -1)$ $G(0, 0)$ $F(3, -2)$
 $E(-3, -1)$ $D(2, 1)$ $C(-3, 4)$
 $B(2, -3)$

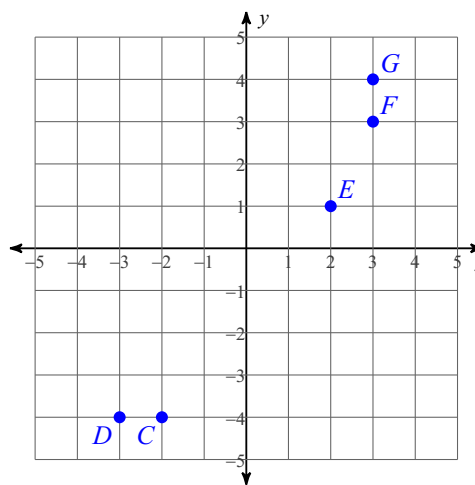


State the coordinates of each point. From this point, all questions should be answered on a separate sheet of paper, with all work shown.

3)



4)



5) Write the slope formula.

6) Write the slope formula. (Yes, again)

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

7) $(-5, -15), (-10, 8)$

8) $(-9, -18), (5, -2)$

9) $(-3, 1), (-7, 4)$

10) $(7, 12), (11, -7)$

11) $(-11, -3), (20, 5)$

12) $(-4, 16), (-12, 14)$

13) $(9, 15), (-9, -12)$

14) $(2, -4), (-7, 7)$

15) $(-12, 16), (-18, -1)$

16) $(-12, 0), (14, 0)$

Determine if the points lie on a single line. (Hint: find the rate of change between at least two different pairs of points. If the rate of change is the same, the points are all on the same line.)

17) $(0, -7), (1, -4), (4, 5), (3, 2)$

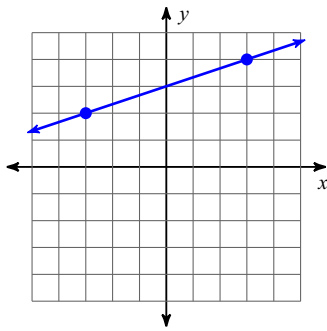
18) $(0, -2), (2, 6), (1, -1), (3, 25)$

19) $(-2, 0), (-1, 1), (2, 2), (7, 3)$

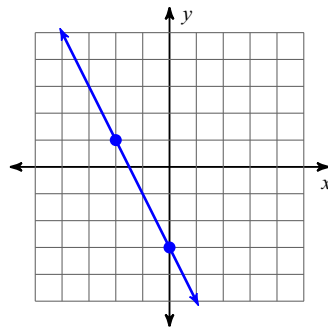
20) $(-1, -4), (0, 1), (1, 6), (-3, -14)$

Find the slope of each line.

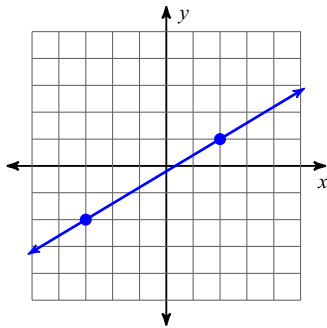
21)



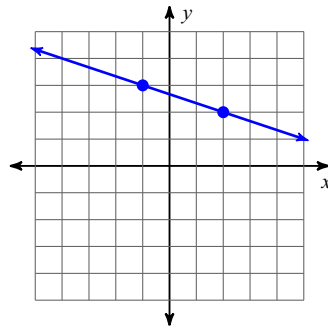
22)



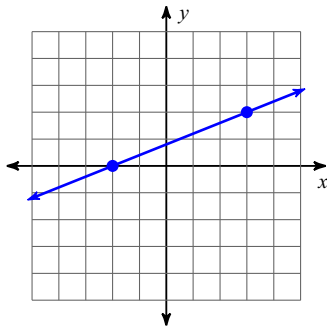
23)



24)



25)



26)

