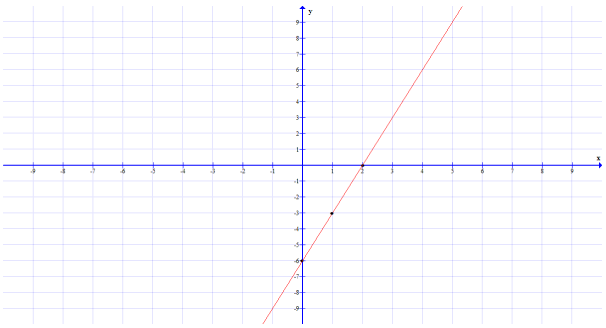
Name: _____

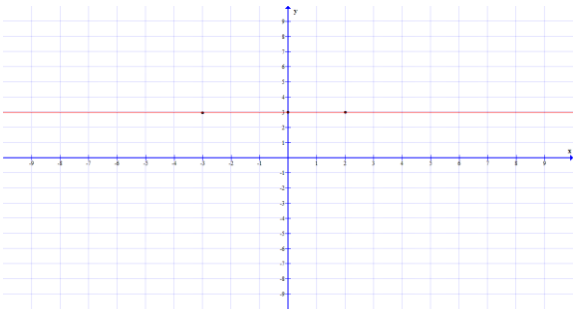
Slopes and Intercepts

Find the slope of each graphed line.

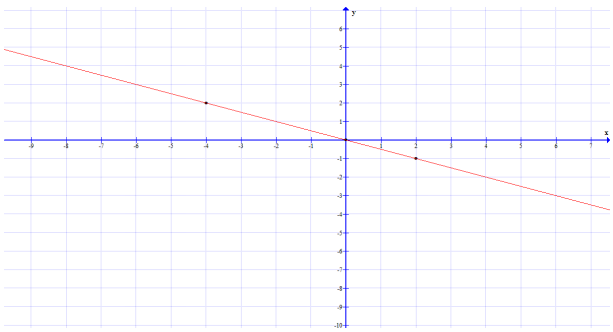
1)



2)



3)



Graph the line that contains the given point and has the given slope.

4) (0,0) m=4

5) (1,1) m=-3

6) (1,2) m=-2

7) (-2,-3) m=1

8) (0,5) m=$\frac{1}{2}$

9) (2,0) m=$-\frac{1}{4}$

10) (3,2) m=$-\frac{3}{4}$

11) (-5,-1) m=$-\frac{5}{2}$

12) (6,2) m=$\frac{1}{5}$

13) (-2,-2) m=$\frac{3}{2}$

14) (3,2) m=0

15) (-4,1) m=0

16) (3,3) no slope

17) (3,2) no slope

Find the slope of the line that contains each pair of points. Then write the equation of this line.

18) A(5, 3), B(–1, 1)

19) C(–3, 1), D(4, 5)

20) F(2, 3), G(–1, 6)

21) L(–1, –2), M(2, –5)

22) P(5, –2), Q(4, –3)

23) R(7, 3), S(3, –9)

24) Q(5, 6), S(2, –2)

25) V(1, 0), X(–2, –3)

26) A(5, –1), C(–3, –4)

27) F(–5, –5), H(3, 1)

28) S(–7, –3), T(–4, –5)

29) U(–3, 7), V(1, –2)

30) R(0, 8), Q(2, 1)

31) K(1.5, 2.7), L(2.5, –5.7)

32) F(-4.5, 21), D(-7.5, –11)

33) A($\frac{3}{2}$, $-\frac{3}{2}$),M($-\frac{3}{5}$, $\frac{1}{5}$)

34) F(–5, 5), N(3, 5)

35) R(3, –5), H(3, -2)

36) W(10, -3), E(3, -3)

37) T(2, 2), S(2, -1)