Name: _____

Slope

1) Determine the slope of the line passing through the points whose coordinates are listed in each table.

   1)

x	y
−4	2
−2	4
0	6
2	8

   2)

x	y
−1	12
0	6
1	0
2	−6

   3)

x	y
0	1
5	2
10	3
15	4

2) Find the slope of the line passing through the pair of points:

   1) (8, 4) and (7, 6)

   2) (0, -2) and (-4, 2)

   3) (4, 7)and (-1, 0)

   4) (2, 1) and (1, 2)

   5) (4, -8) and (6, -2)

   6) (-3, 1) and (2, -3)

3) What is the steepness or gradient of the straight lines joining:

   (1) (2, 5) to (8, 17)

   (2) (−1, 3) to (8, −6)

4) What are the gradients of the following straight lines?

(1) y = 3x + 4

(2) y + 4x = 2

(3) 2y = x – 4

(4) 3y + 4x = 0.

5) Find the gradients of the following straight lines.

(1) y = 3 – 5x

(2) 2y = 3x + 7

(3) 3y + x = 1

(4) 4y – 5x = 2