Coordinate Geometry Worksheets

2. Complete the table for the given rules.

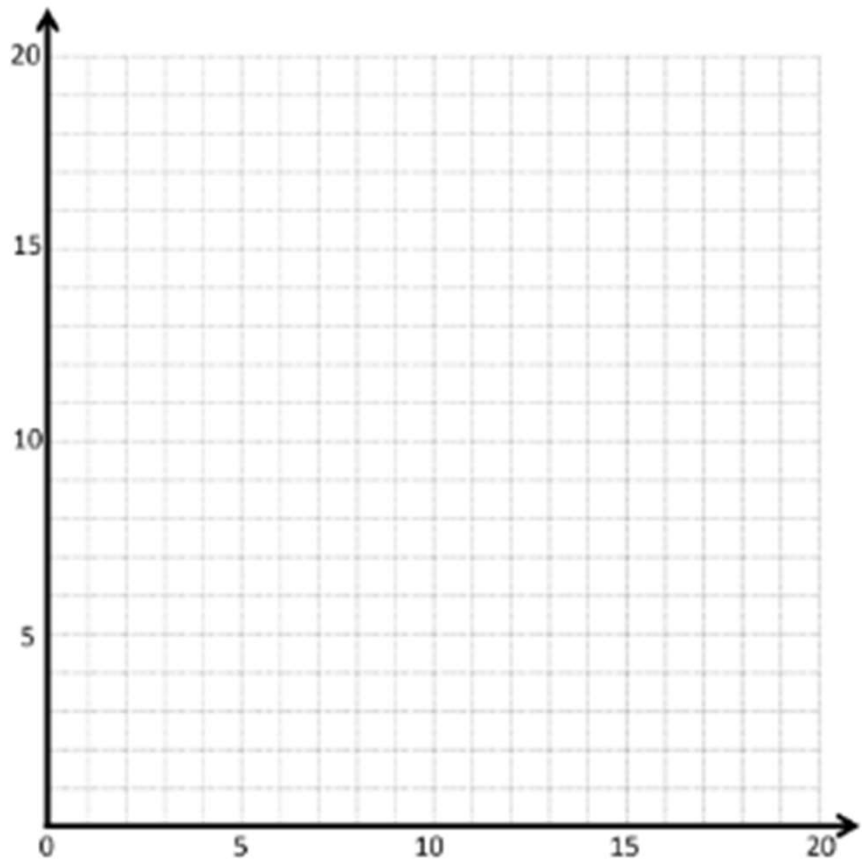### Line e

Rule: y is twice as much as x

x	y	(x, y)
0		
2		
5		
9		

Line f

Rule: y is half as much as x

x	y	(x, y)
0		
6		
10		
20		

a. Construct each line on the coordinate plane above.

b. Compare and contrast these lines.

c. Based on the patterns you see, predict what line *g*, whose rule is *y is 4 times as much as x*, would look like. Draw your prediction in the plane above.

Coordinate Geometry Worksheets

2. Complete the table for the given rules.

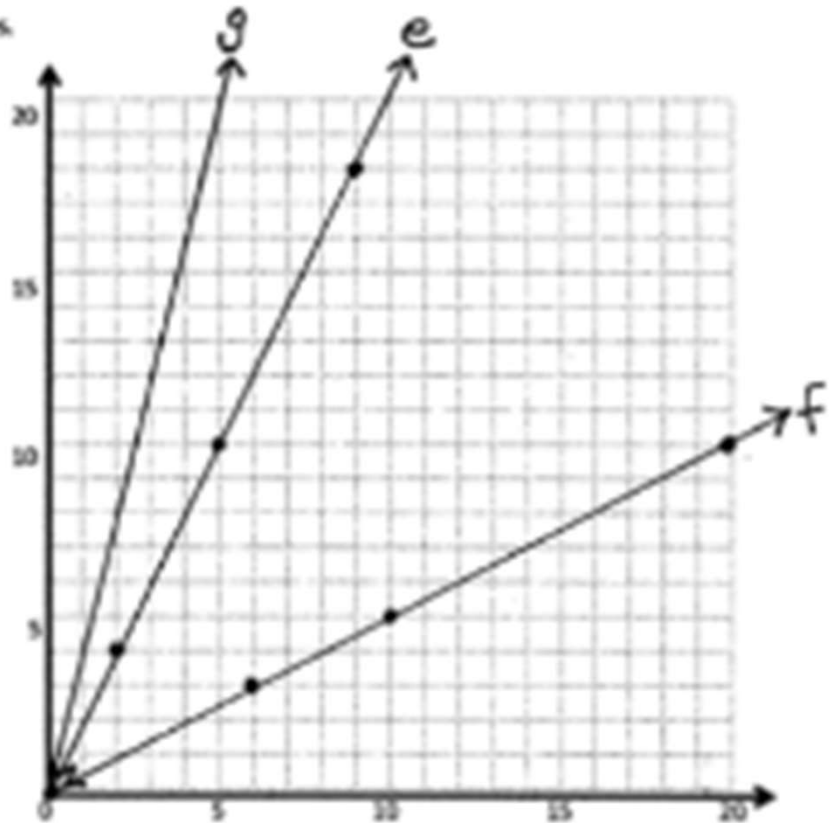### Line e

Rule: y is twice as much as x

0	0	(0,0)
2	4	(2,4)
5	10	(5,10)
9	18	(9,18)

Line f

Rule: y is half as much as x

0	0	(0,0)
6	3	(6,3)
10	5	(10,5)
20	10	(20,10)

a. Construct each line on the coordinate plane above.

b. Compare and contrast these lines.

E is much steeper than F. On E, the y values get big very quickly, but on F, they go up slower than the x values.

c. Based on the patterns you see, predict what line g, whose rule is, y is 4 times as much as x, would look like. Draw your prediction in the plane above.

I predict that line g will be steeper than line e.