

Name _____ Date _____

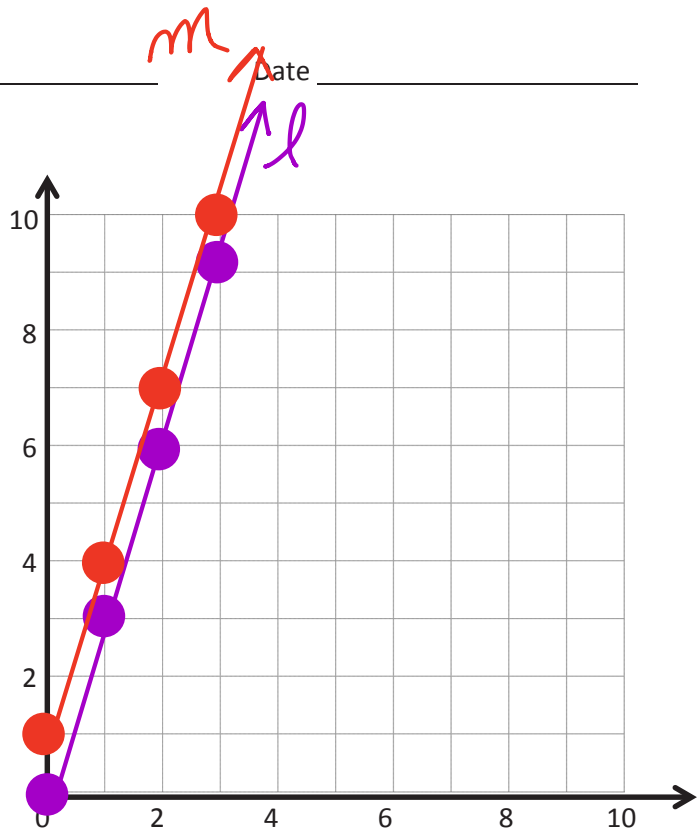
1. Complete the tables for the given rules.

Line ℓ Rule: Triple x

x	y	(x, y)
0	0	(0,0)
1	3	(1,3)
2	6	(2,6)
3	9	(3,9)

Line m Rule: Triple x , and then
add 1

x	y	(x, y)
0	1	(0,1)
1	4	(1,4)
2	7	(2,7)
3	10	(3,10)



- a. Draw each line on the coordinate plane above.
- b. Compare and contrast these lines.

The lines are the same except m has been shifted up 1 space.

2. Circle the point(s) that the line for the rule multiply
- x
- by
- $\frac{1}{3}$
- , and then add 1 would contain.

$(0, \frac{1}{2})$

$(1, 1\frac{1}{3})$

$(2, 1\frac{2}{3})$

$(3, 2\frac{1}{2})$

$1 \times \frac{1}{3} = \frac{1}{3}$

$2 \times \frac{1}{3} = \frac{2}{3}$

$\frac{1}{3} + 1 = 1\frac{1}{3}$

$\frac{2}{3} + 1 = 1\frac{2}{3}$