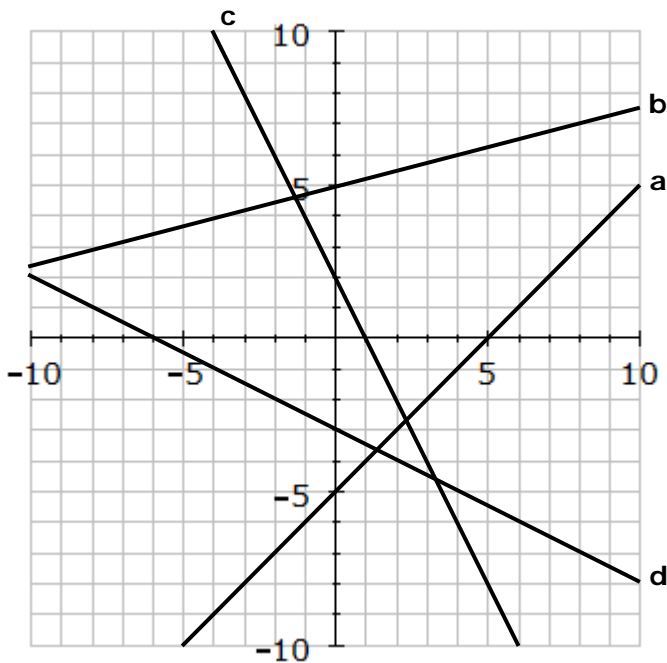
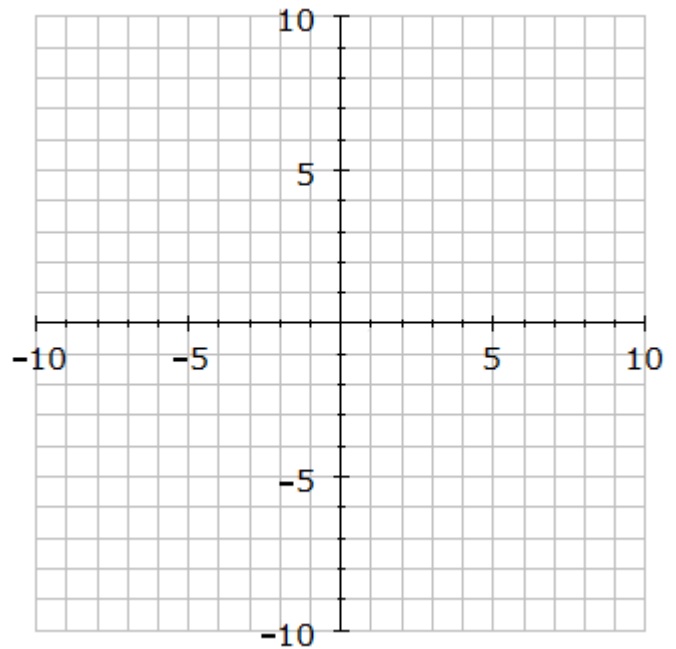


Basic Patterns and Graphs Practice #6 (Extension)

1. Using the grid to the right plot the lines for the equations below:

- a) $y = 2x + 4$
- b) $y = -3x + 5$
- c) $y = \frac{1}{2}x - 3$
- d) $y = -0.2x - 8$



2. Write the equations for the lines shown:

- a)
- b)
- c)
- d)

3. Complete the tables with the patterns and graph write the rule in the space at the end:

x	0	1	2	3	4	5	...	rule
y			2	7	12			$y =$

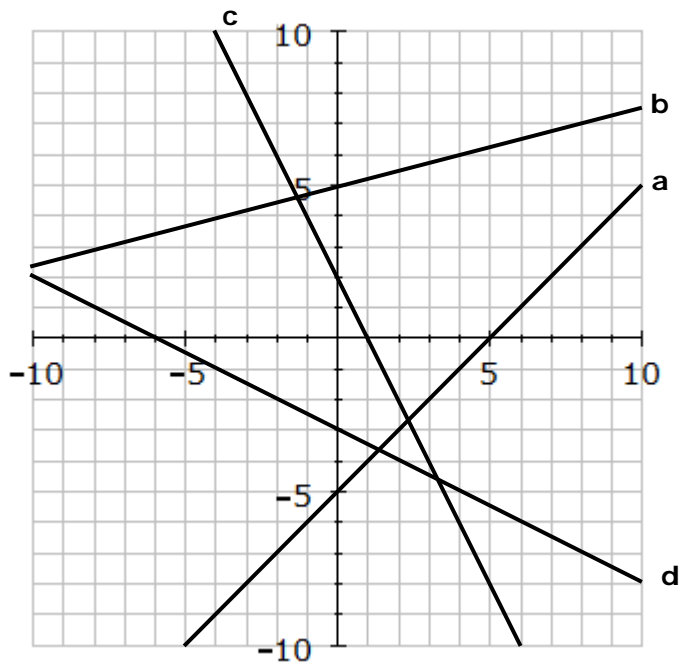
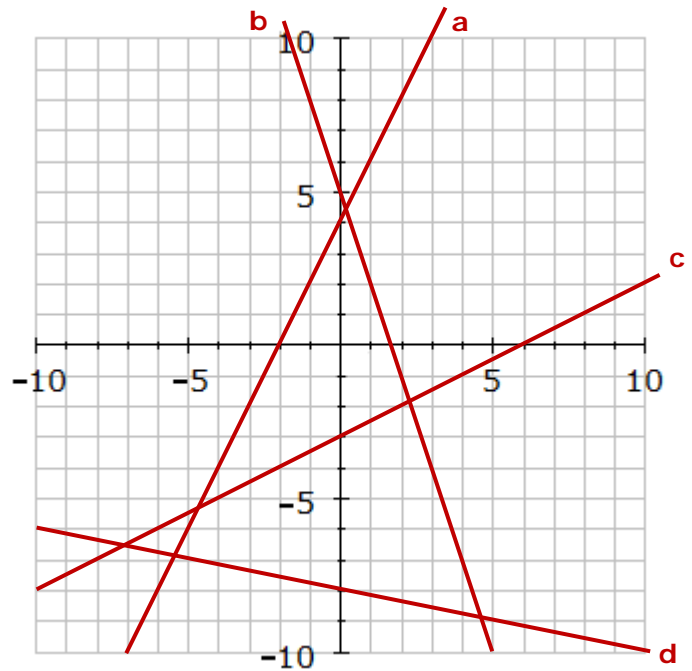
x	0	1	2	3	4	5	...	rule
y			30			15		$y =$

x	0	1	2	3	4	5	...	rule
y			6	6.2	6.4			$y =$

Basic Patterns and Graphs Practice #6 (Extension)

1. Using the grid to the right plot the lines for the equations below:

- a) $y = 2x + 4$
- b) $y = -3x + 5$
- c) $y = \frac{1}{2}x - 3$
- d) $y = -0.2x - 8$



2. Write the equations for the lines shown:

- a) $y = x - 5$ (or $y = 1x + -5$ etc)
- b) $y = \frac{1}{4}x + 5$ (or $y = 0.25x + 5$)
- c) $y = -2x + 2$
- d) $y = -\frac{1}{2}x - 3$ (or $y = -0.5x + -3$ etc)

3. Complete the tables with the patterns and graph write the rule in the space at the end:

x	0	1	2	3	4	5	...	rule
y	-8	-3	2	7	12	17		$y = 5x - 8$

x	0	1	2	3	4	5	...	rule
y	40	35	30	25	20	15		$y = -5x + 40$

x	0	1	2	3	4	5	...	rule
y	5.6	5.8	6	6.2	6.4	6.6		$y = 0.2x + 5.6$