Name _____   Date _____
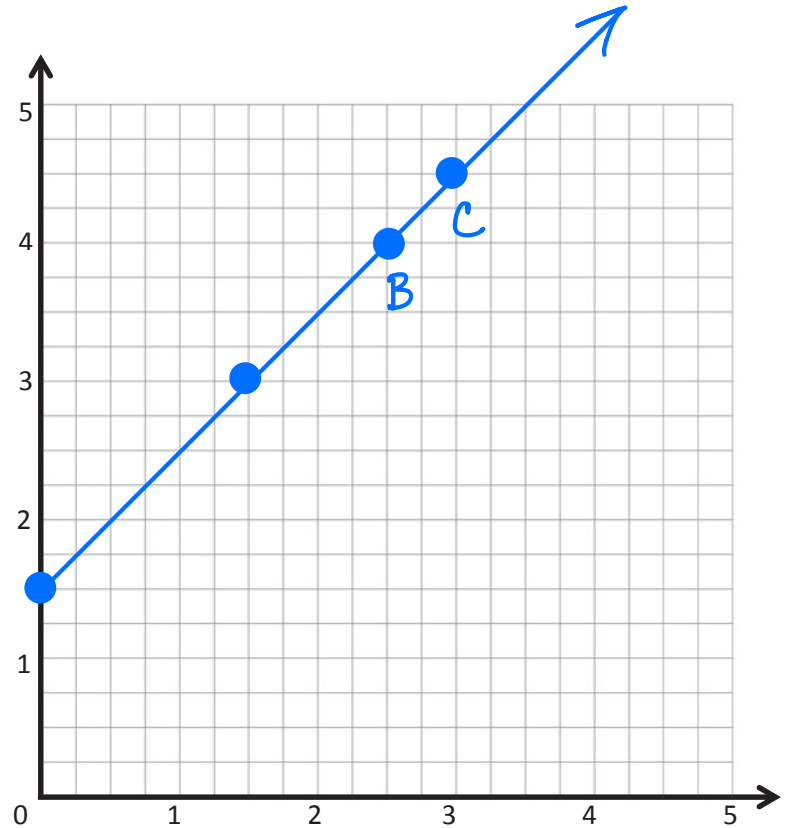
Write the rule for the line that contains the points $(0, 1\frac{1}{2})$ and $(1\frac{1}{2}, 3)$.

Add $1\frac{1}{2}$ to x.

a. Identify 2 more points on this line. Draw the line on the grid.

Point	x	y	(x, y)
B	$2\frac{1}{2}$	4	$(2\frac{1}{2}, 4)$
C	3	$4\frac{1}{2}$	$(3, 4\frac{1}{2})$

b. Write a rule for a line that is parallel to $\overleftrightarrow{BC}$ and goes through point $(1, \frac{1}{2})$.

Subtract $\frac{1}{2}$ from x

Answers may vary.

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Lesson 12:   Create a rule to generate a number pattern, and plot the points.