

Name _____

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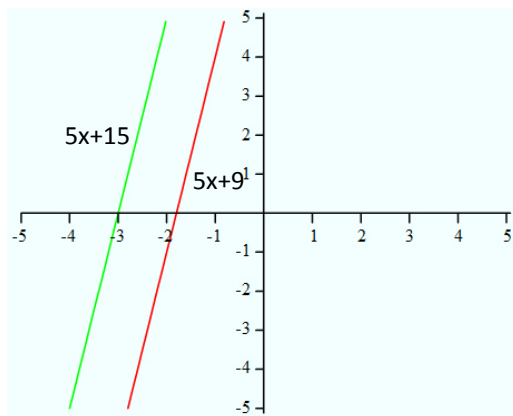
Manipulating the Graphs of Functions - Step-by-Step Lesson

Using the function $y = 5x + 9$, which statement best describes the effect of increasing the y-intercept by 6?

- a. The new line is parallel to the original.
- b. The new line has greater rate of change.

Explanation:

Step 1) Graph Both lines.



Step 2 a) Yes, the new line is parallel to the original.

Step 3 b) Both lines are parallel so the rate of change will be the same.

Statement "a" best reflects the consequences of the new line.

