

Goal: I will be able to _____

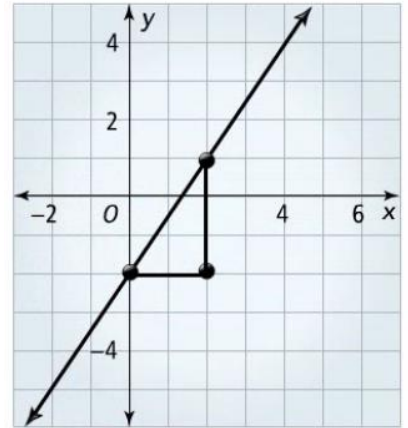
Tool Bag

Formulas,
equations,
vocabulary, etc.

Example 1

Here's How...Notes & Examples

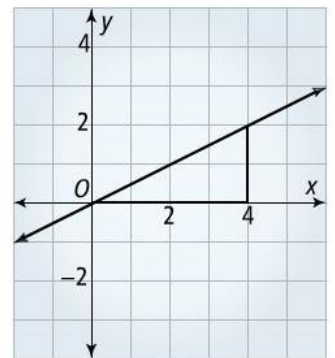
Draw the triangle that is the image of the given triangle after a dilation with a center of $(0, -2)$ and a scale factor of 2. Look at the ratio of the rise to the run of each triangle. How do the ratios compare?



Looking at the triangles from the line, they are called the "slope triangles" of the line $y = \frac{3}{2}x - 2$.

You Try

Draw the following triangle with a scale factor of $\frac{1}{2}$. What is the ratio of the rise to run for the two triangles?



Example 2

Which slope triangles could you use to find the slope of the line with equation $y = \frac{2}{3}x - 4$.

