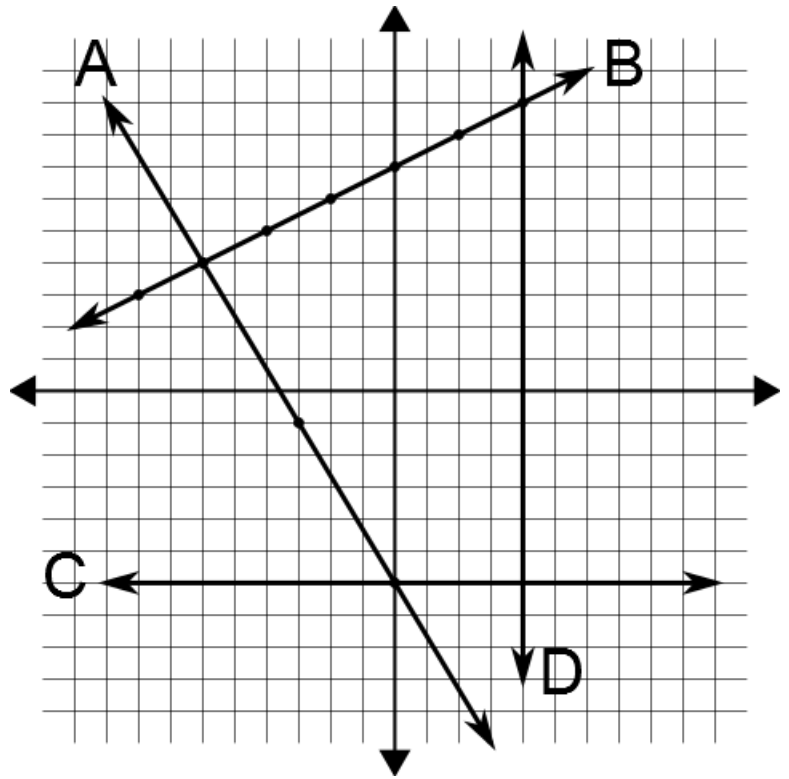## 8 Review Day 8

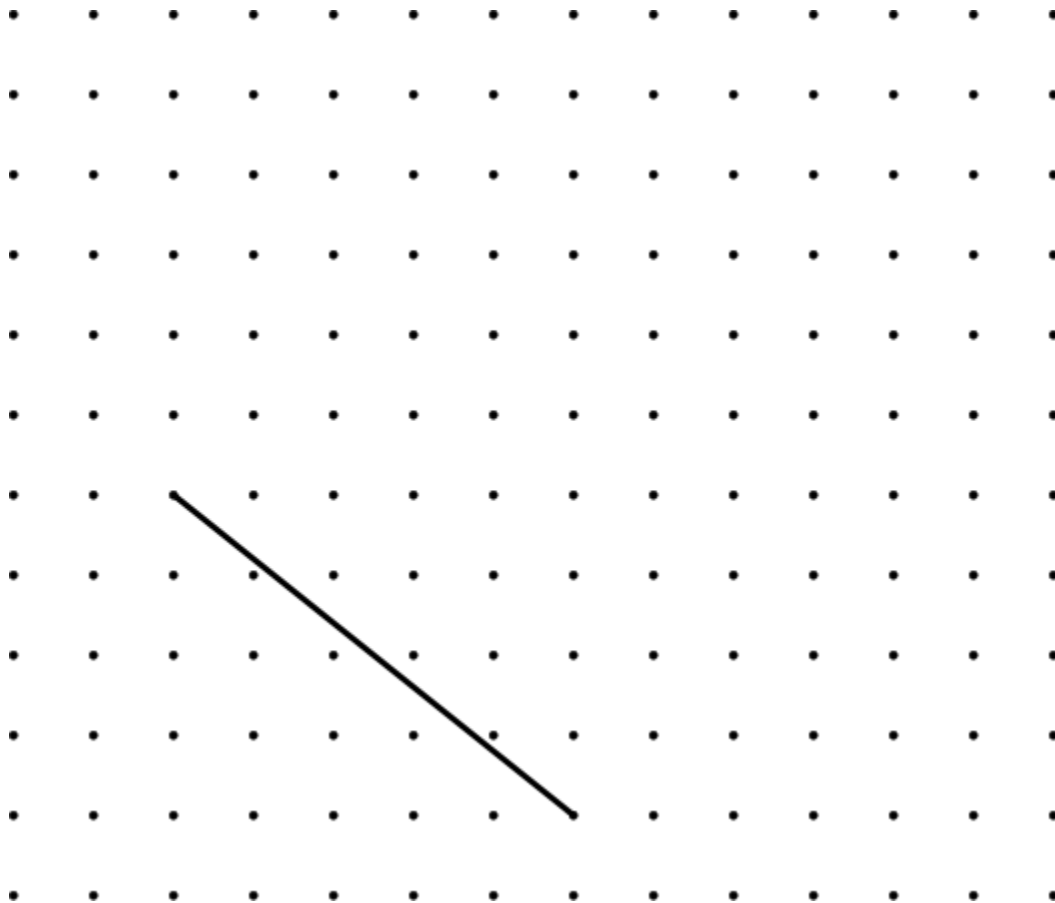Match each equation to the correct line.

_____ $x = 4$

_____ $y = \frac{1}{2}x + 7$

_____ $y = -6$

_____ $y = -\frac{5}{3}x - 6$

The segment below is one of a square's sides. Draw the rest of it. Then, find its area and the segment's length.

A rectangular prism is 12 feet long, 3 feet wide, and 7 feet tall. What is the distance from its lower-left corner to its upper-right corner? Also, what is its volume?

Determine if each number is rational or irrational. Explain your response.

$-33.445544554455...$ $\qquad$ $\sqrt{0}$ $\qquad$ $\left(\sqrt[3]{19}\right)^3$ $\qquad$ $0.31311311131111...$

$\sqrt{8}$ $\qquad$ $\dfrac{\pi}{6}$ $\qquad$ 10.34789898743 $\qquad$ $\sqrt[3]{343}$

Simplify each expression by combining like terms.

$-6x + 14 - 3x + 18 + 7x$ $\qquad\qquad$ $4y - 3 - 4y + 8$

Write equations for two relationships: one proportional and one not proportional. Explain your response.