

Students understand the concepts of parallel lines and perpendicular lines and how their slopes are related. 1A8.0

172. What is the slope of a line parallel to the line

$$y = \frac{1}{3}x + 2?$$

A  $-3$

B  $-\frac{1}{3}$

C  $\frac{1}{3}$

D  $2$

174. Which of the following could be the equation of a line parallel to the line  $y = 4x - 7$ ?

A  $y = \frac{1}{4}x - 7$

B  $y = 4x + 3$

C  $y = -4x + 3$

D  $y = -\frac{1}{4}x - 7$

173. Which of the following statements describes parallel lines?

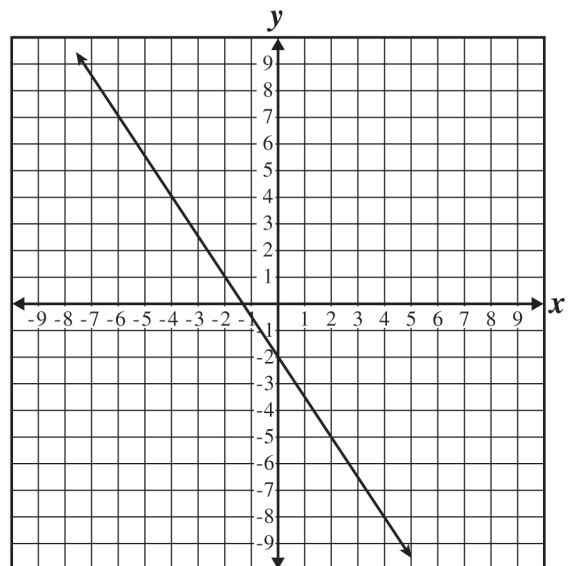
A Same  $y$ -intercept but different slopes

B Same slope but different  $y$ -intercepts

C Opposite slopes but same  $x$ -intercepts

D Opposite  $x$ -intercepts but same  $y$ -intercept

175. What is the slope of a line parallel to the line below?



A  $-\frac{3}{2}$

B  $-\frac{2}{3}$

C  $\frac{2}{3}$

D  $\frac{3}{2}$