

Name:

Slope and Parallel Lines Worksheet

1 Mention if the lines are 'Parallel' or 'Not Parallel' from the given slopes of the lines.

Slope of Line 1	Slope of Line 2	Parallel/Not Parallel
3	1	
8	8	
18	-18	
7	$\frac{1}{7}$	
17	17	

2 Find the slope of the line passing through the given points.

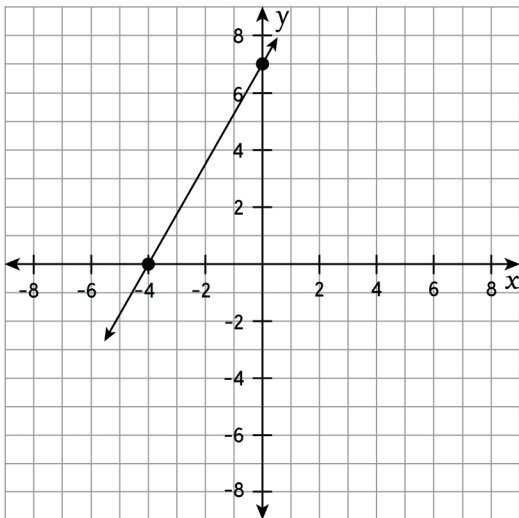
a. (2, 8), (-10, -16)

b. (-5, 3), (17, 5)

c. (15, 13), (-2, -16)

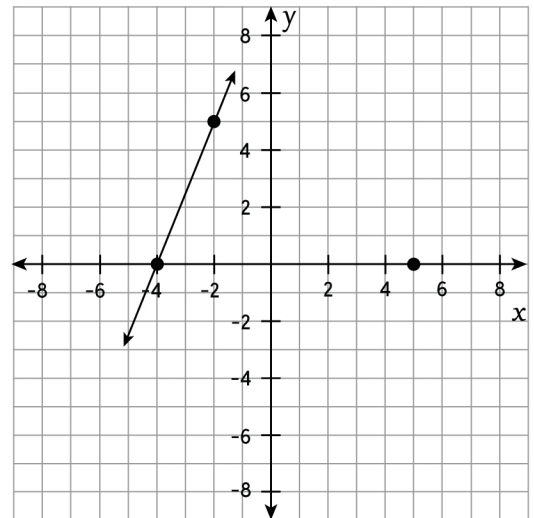
3 Determine the slope of the following lines.

a)



Slope = _____

b)



Slope = _____

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Slope and Parallel Lines Worksheet

1

Answers

Slope of Line 1	Slope of Line 2	Parallel/Not Parallel
3	1	Not Parallel
8	8	Parallel
18	-18	Not Parallel
7	$\frac{1}{7}$	Not Parallel
17	17	Parallel

2

a. (2, 8), (-10, -16)

b. (-5, 3), (17, 5)

c. (15, 13), (-2, -16)

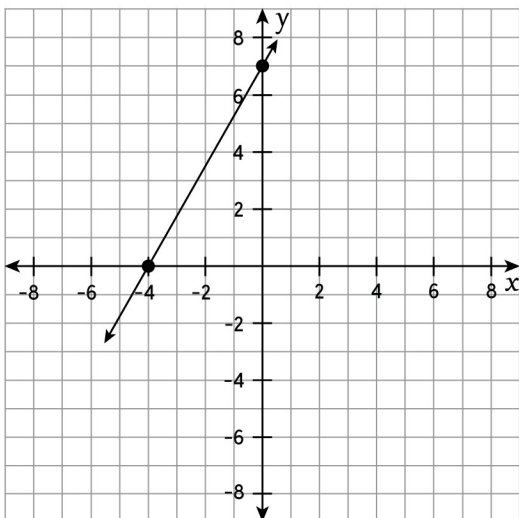
2

$\frac{1}{11}$

$\frac{29}{17}$

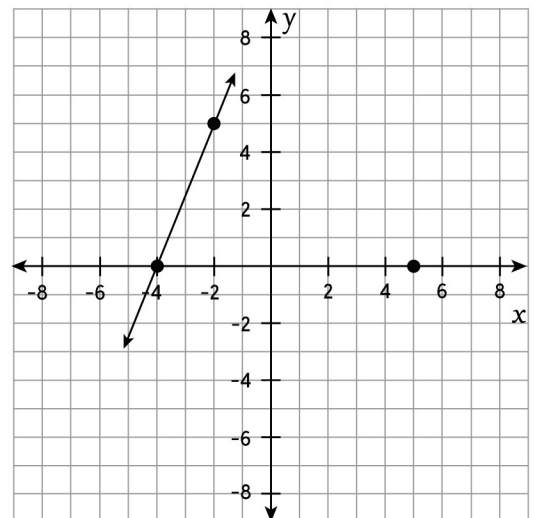
3

a)



Slope = $\frac{7}{4}$

b)



Slope = $\frac{5}{2}$