

Working on Slopes of Parallel and Perpendicular Lines

Determine whether two lines are 'Parallel', 'Perpendicular' or 'Neither' from their slopes.

Slope of Line 1	Slope of Line 2	Parallel/Perpendicular/Neither
7	-7	
$\frac{6}{11}$	$\frac{6}{11}$	
3	$-\frac{1}{3}$	
$\frac{1}{11}$	-11	
9	9	
$\frac{5}{9}$	$\frac{5}{8}$	
12	$-\frac{1}{12}$	
$\frac{11}{12}$	$\frac{11}{12}$	
6	7	
$-\frac{1}{3}$	-3	
17	17	
$\frac{2}{3}$	$-\frac{3}{2}$	
1	-1	
1	1	
$\frac{4}{5}$	$\frac{5}{4}$	

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Answers

Slope of Line 1	Slope of Line 2	Parallel/Perpendicular/Neither
7	-7	Neither
$\frac{6}{11}$	$\frac{6}{11}$	Parallel
3	$-\frac{1}{3}$	Perpendicular
$\frac{1}{11}$	-11	Perpendicular
9	9	Parallel
$\frac{5}{9}$	$\frac{5}{8}$	Neither
12	$-\frac{1}{12}$	Perpendicular
$\frac{11}{12}$	$\frac{11}{12}$	Parallel
6	7	Neither
$-\frac{1}{3}$	-3	Neither
17	17	Parallel
$\frac{2}{3}$	$-\frac{3}{2}$	Perpendicular
1	-1	Perpendicular
1	1	Parallel
$\frac{4}{5}$	$\frac{5}{4}$	Neither