

Slopes of Parallel and Perpendicular Lines

Find the slopes of lines parallel and perpendicular to the lines with the given slopes.

Slope of a Line	Slope of a Parallel Line	Slope of a Perpendicular Line
$\frac{3}{5}$		
10		
11		
8		
$\frac{2}{3}$		
6		
-1		
9		
-5		
$\frac{3}{8}$		
$-\frac{9}{13}$		
$\frac{1}{2}$		
-3		

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Answers

Slope of a Line	Slope of a Parallel Line	Slope of a Perpendicular Line
$\frac{3}{5}$	$\frac{3}{5}$	$-\frac{5}{3}$
10	10	$-\frac{1}{10}$
11	11	$-\frac{1}{11}$
8	8	$-\frac{1}{8}$
$\frac{2}{3}$	$\frac{2}{3}$	$-\frac{3}{2}$
6	6	$-\frac{1}{6}$
-1	-1	1
9	9	$-\frac{1}{9}$
-5	-5	$\frac{1}{5}$
$\frac{3}{8}$	$\frac{3}{8}$	$-\frac{8}{3}$
$-\frac{9}{13}$	$-\frac{9}{13}$	$\frac{13}{9}$
$\frac{1}{2}$	$\frac{1}{2}$	-2
-3	-3	$\frac{1}{3}$