

Name : _____ Score : _____
 Teacher : _____ Date : _____

Slopes of Parallel and Perpendicular Lines

For the given slope, find the slope of any parallel and perpendicular line to it.

	Slope of a Line	Slope of Any Parallel Line	Slope of Any Perpendicular Line
1)	3		
2)	5		
3)	$\frac{4}{7}$		
4)	8		
5)	$\frac{2}{9}$		
6)	$\frac{4}{7}$		
7)	4		
8)	12		
9)	$\frac{4}{11}$		
10)	$\frac{5}{6}$		

Name : _____ Score : _____
 Teacher : _____ Date : _____

Parallel and Perpendicular Lines

From the given slopes of the lines, identify whether the two lines are parallel, perpendicular, or neither.

	Slope of Line 1	Slope of Line 2	Answer
1)	$\frac{4}{7}$	$\frac{4}{7}$	
2)	9	$\frac{1}{9}$	
3)	6	$-\frac{1}{6}$	
4)	$\frac{2}{5}$	$-\frac{2}{5}$	
5)	6	$-\frac{1}{6}$	
6)	3	-3	
7)	$\frac{2}{5}$	$-\frac{2}{5}$	
8)	9	$\frac{1}{9}$	
9)	$\frac{3}{4}$	$-\frac{4}{3}$	
10)	$\frac{11}{12}$	$\frac{12}{11}$	

Definition	Characteristics
Parallel Lines 	
Examples	Non-Examples

Definition	Characteristics
Perpendicular Lines ⊥	
Examples	Non-Examples