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)	$\frac{4}{11}$	$\frac{11}{4}$	
3)	11	- 11	
4)	2	$\frac{1}{2}$	
5)	$\frac{10}{11}$	$-\frac{10}{11}$	
6)	$\frac{7}{11}$	$-\frac{11}{7}$	
7)	11	- 11	
8)	$\frac{4}{11}$	$\frac{11}{4}$	
9)	10	$-\frac{1}{10}$	
10)	9	9	

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	Slope of Line 1	Slope of Line 2	Answer
1)	$\frac{4}{7}$	$\frac{4}{7}$	Parallel
2)	$\frac{4}{11}$	$\frac{11}{4}$	Neither
3)	11	- 11	Neither
4)	2	$\frac{1}{2}$	Neither
5)	$\frac{10}{11}$	$-\frac{10}{11}$	Neither
6)	$\frac{7}{11}$	$-\frac{11}{7}$	Perpendicular
7)	11	- 11	Neither
8)	$\frac{4}{11}$	$\frac{11}{4}$	Neither
9)	10	$-\frac{1}{10}$	Perpendicular
10)	9	9	Parallel

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