Find the Unknown☺

#1 Fill in the missing information

Slope of line AB	Slope of line CD	Parallel, Perpendicular or Neither
3/2	3/2	
2/3	4/6	
-5/4	-5/4	
7/4		Perpendicular
-6/11	6/11	
4/7	-4/3	
20/5	4	
-4/5	-20/15	
1/7	-1/7	
3/9	-3	
4/5		Parallel

2.
a) The slope of the y-axis _____
b) The slope of the x-axis _____
c) The slope perpendicular to the y-axis _____
d) The slope perpendicular to 7 _____
e) The slope parallel to the x-axis _____

3.
a) A line passes through the points (3, 7) and (5, 3), find the slope.
b) A line passes through the point (8, k + 2) and (-5, 2) if the slope is parallel to 1/13, find k.
c) A line passes through the x-int of 7 and the y-int of 2. Find the slope.
d) A line passes through the points (4k, 2k) AND (-2, 5). If the slope is perpendicular to -3/4, find k.
e) A line passes through the point (2k, -1) and has an x-intercept of 2. If the slope is perpendicular to -8, find k.