Slope - Worksheet #2

Slope of line AB	Slope of line CD	Parallel, Perpendicular or Neither
21/42	-2/1	
6/7		Perpendicular
-2/3	2/3	
-10/20	2/1	
-25/40	5/8	
	-7/3	Parallel
14/44	-22/7	
- tan	25/15	Perpendicular
1/4	-1/4	
	1/3	Parallel
4/6	-2/3	

#3 State the perpendicular slope for each of the following equations.

a)
$$y=2/3x-6$$
 b) $y=5-10x$

b)
$$y = 5 - 10x$$

c)
$$y = -4/3x - 4$$

b)
$$y = 5x + 2$$

e)
$$y = 2/7x - 4$$

f)
$$y = -4(x-2)$$

State the parallel slope for each of the following equations. #4

a)
$$y = 2x + 5$$

b)
$$y = 4 - 7x$$

c)
$$y = 6x - 12$$

Fill in the missing information for the following rectangles. #5

a)

State the parallel slope for each of the following equations. #4 b) y = 4 - 7xc) y = 6x - 12a) y = 2x + 5Fill in the missing information for the following rectangles. #5 b) c) d) a) 3/8 2/3 8 #6. Using Rise/Run, state the slope. #7 a) Calculate the slope of a line passing through (2, -3) and (5, 0). b) Calculate the parallel slope of a line passing through (7, -6) and (-4, -4). c) Calculate the perpendicular slope of a line passing through (-4, 8) and (-3, 0). d) What is the slope perpendicular to y = 5x - 3. e) What is the slope parallel to y = 2/9 - 5x. What is the slone

a) Calculate the slope of a line passing through (2, -3) and (5, 0).
b) Calculate the parallel slope of a line passing through (7, -6) and (-4, -4).
c) Calculate the perpendicular slope of a line passing through (-4, 8) and (-3, 0).
d) What is the slope perpendicular to y = 5x - 3.
e) What is the slope parallel to y = 2.99 - 5x.
f) What is the slope perpendicular to y = -7x + 3.

#8 Thomas is building a wheelchair ramp outside a building. It's slope must be less than 1/12. If the entrance of the building is 50 cm above ground level, what is the Minimum horizontal distance needed for the ramp?

#9 Andree is selling clothing for safe grad. The cost of the shirt is \$25.00 plus an additional \$1.50 for every letter sewn onto the shirt.
a) Write the equation for the above situation.
b) If Breanne wanted to buy a shirt with her name on it how much would it cost?
c) If Taylor's shirt cost \$47.50, how many letters were sewn onto her shirt?

#10. a) A line passes through (5.3h) and (4.8) and 15 parallel to y = -24 + 8, Find K,