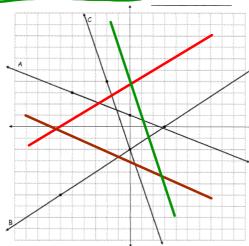
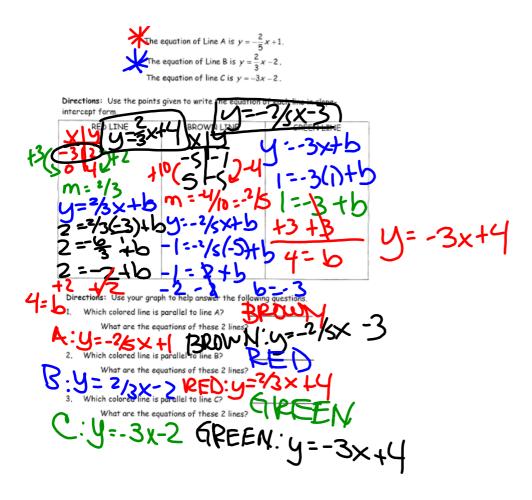
Unit 3 Day 5: Parallel & Perpendicular Lines

 $\label{eq:Directions: Graph the points and use a ruler to draw the line that passes through them. Use the designated color to draw each line. \\$

Τ	RED:	(-3, 2)	(0, 4)	
"	BROWN:	(-5, -1)	(5, -5)	\
4	GREEN:	(1, 1)	(2,-2)	Z
- 1				

Given Lines and	d Their Points
A: (0,1)	(-5, 3)
B: (3,0)	(-6, -6)
C: (-2,4)	(0, -2)

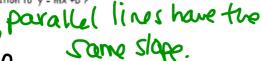




Directions: Use the equations of each pair of parallel lines to answer the following

what do you notice about the slopes in each pair of equations? enthe lines are parallel the slopes age the same.

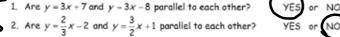
5. What do you notice about the y-intercepts of in each pair of equations?



Smin.

Directions: Answer the following the questions using the knowledge you gained from your investigation.

1. Are y = 3x + 7 and y = 3x - 8 parallel to each other?



Name 3 lines that are parallel to
$$y = 2x - 3$$
.

$$y = 2x - 4$$

$$y = 2x + 1$$