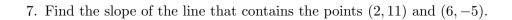
Name:	
Score: /15	
Worksheet 7 (Due Fri, May 16)	
$egin{aligned}  ext{Math } 1060 ext{Q} -  ext{Summer } 2014 \  ext{Professor Hohn} \end{aligned}$	
You must show all of your work to receive full credit!  1. Find the slope of the line that contains the points $(-1,4)$ and $(2,-3)$ .	
2. Find a number $t$ such that the line containing the points $(t, -2)$ and $(-3, 4)$ has slope -	-5.
3. Find the equation of the line in the $xy$ -plane that contains the point $(-3,2)$ and this is p to the line $y = 7x - +4$ .	oarallel

4. Find the equation of the line in the xy-plane that has slope  $\frac{1}{2}$  and contains the point (4,1).

5. Find the equation of the line that contains the point (5,3) and that is parallel to the line containing the points (-1,1) and (4,3).

6. Find the intersection in the xy-plane of the lines y = -2x + 1 and y = 4x - 3.



8. Find a number t such that the point (-2,t) is on the line containing the points (5,-2) and (10,-8).

9. Find the equation of the line in the xy-plane that contains the point (-3,1) and that is perpendicular to the line y = -2x + 5.

10. Where does the line in the xy-plane given by the equation

$$\frac{x}{2} + \frac{y}{1} = 1$$

intersect the x-axis? The y-axis?

11. Where does the line in the xy-plane given by the equation

$$\frac{x}{-3} + \frac{y}{5} = 1$$

intersect the x-axis? The y-axis?