## Algebra 201-007-50 C1 Quiz 3 September II, 2008

SOLUTIONSS Name:

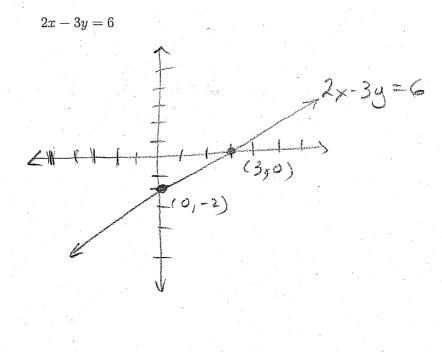
Student Number:

1. (4 points) Solve for x and give the solution graph and solution set (indicate which is which).

$$7 < 5 - x < 9$$
 $7 < 5 - x < 9$ 
 $7 < 5 < 5 - x - 5 < 9 - 5$ 
 $2 < -x < 4$ 
 $3 < -x < 4$ 

2. (6 points) Find the x-intercept and y-intercept (indicate which is which) and use them to graph the following linear equation:

$$x-mt': y=0$$
 $2x-3(0)=6$ 
 $2x=6$ 
 $x=3$ 
 $x=$ 



3. (2 points) Find the slope of the line that passes through the points (-1,-1) and (2,3).

$$M = \frac{y^2 - y_1}{x^2 - x_1} = \frac{3 - (-1)}{2 - (-1)} = \frac{4}{3}$$