

Name:

Show all your work in order to receive maximum credit. No work, no credit.

1. Find the x and y intercepts of the following equation. [4 points]

$$-8x + 3y = 10$$

2. Find the equation of the line containing the points  $(-3, -2)$  and  $(1, -7)$ . [6 points]

3. Find the equation of the line containing the point  $(1, -4)$  and perpendicular to  $-9x + y = 3$ . [8 points]