

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]

$$-7x + 3y = 12$$

2. Find the equation of the line containing the points  $(-7, -2)$  and  $(4, -7)$ . [6 points]

3. Find the equation of the line containing the point  $(1, -3)$  and perpendicular to  $-6x + y = 2$ . [8 points]