

Quiz 8

1. Find the equation of the line through $(2, 1)$ which is perpendicular to the line $-6x + 3y = 2$. Put your answer in standard form.

2. Solve for x . Put your answer in *interval notation*.

$$x^3 + 10x^2 < -25x$$

3. Graph. Label the center, the radius, and find the intercepts.

$$x^2 + y^2 - 6x + 8y + 9 = 0$$