Retake 3B: Radicals, lines

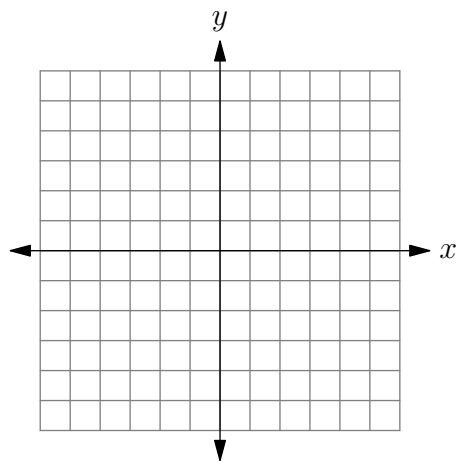NAME:

1. (3 points) Solve $\sqrt{4-x} = 4$.

2. (5 points) Solve $x = \sqrt{18-3x}$.

3. (2 points) Graph the line $6x - 4y = -12$.

4. (10 points) Consider the points $(-2, 5)$ and $(4, -3)$.

  (a) Find the distance between these two points.

  (b) Find the slope of the line containing these points.

  (c) Find the equation of the line containing these points.

  (d) Graph the equation that you found in part (c)