1. Find the slope of the line parallel to the one that passes through (-4, 2) and (0, -5).

2. Find the slope of a line perpendicular to the line y = -2x + 1.

3. Write the equation of a line parallel to 2x + 3y = 9 that passes through the point (-6, -2).

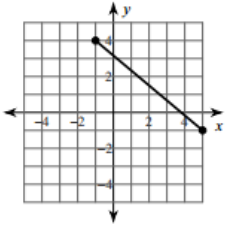4. Are the following lines parallel, perpendicular, or neither? 4x - y = 1   and   x + 4y = 12

1. Find the distance between the points (-4, 2) and (0, -5).

2. Find the midpoint of the segment with endpoints at (-4, 2) and (0. -5).

3. Write the equation of a line parallel to 7x + 6y = 18 through the point (0, 2).

1. Find the length and midpoint of the segment graphed on the grid below.

2. Write the equation of the line that passes through (-4, -2) and (-3, 5).

3. Are the following equations parallel, perpendicular, or neither? $4x + 8y = 10$ and $y - 6 = -2x + 2$