

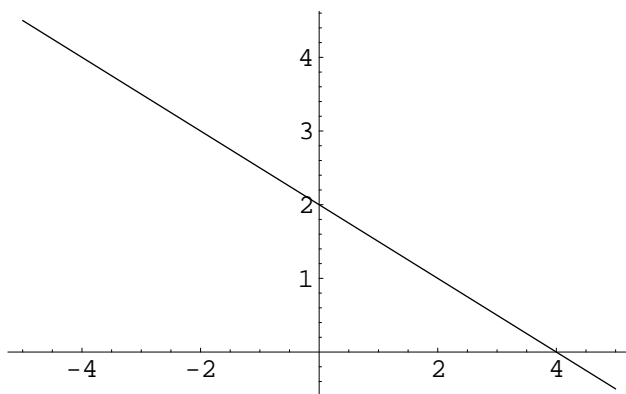
Xavier University of Louisiana

Study Guide for the Xavier Mathematics Placement Test

7. Linear equations in two variables, slope, intercepts,
parallel and perpendicular lines

Practice Problems

- 1 In which quadrant is the point $(-6, 9)$?
1. Find the distance between the points $(2, -4)$ and $(-2, 3)$
- 3 Find x such that $(x, 7)$ satisfies the equation $2x - 4y = -40$
- 4 Find the equation of the line whose graph is given.



- 5 Find the x - intercept of the line $y - 2x = 8$
- 6 Find the slope of the line $9x - 8y = 5$
- 7 Find the equation of the line with slope -3 and passing through the point $(8, -1)$
- 8 Find the equation of the line that is parallel to the line $8x - 3y = 9$ and goes through the point $(2, 2)$