Linear Functions

- A. Determine the indicated characteristics:
- 1. The slope and y-intercept of the equation: y = (2/3)x - 6
- 2. The slope and y-intercept of the equation 5x 2y = 7
- 2. The slope of the line segment joining the points (-5, 1) and (-12, 9).
- 3. The midpoint of the line segment defined by the points (-5, -9) and (11, -3)
- 4. The length of the line segment defined by the points (8, -2) and (-3, 5).

- B. Determine the equation of the following linear functions given the indicated information:
- 1. slope is 2/3 and the y-intercept is 7
- 2. m = -5/3 and b = -2
- 3. slope is 4/7 and contains the point (-1, 4)
- 4. m = -7/2 and the point is (-4, -3)