

## Lesson 8

### Graphing Linear Equations (Slope-Intercept Form)

#### Answers

- 1) slope  $m = 4$ , y-intercept  $b = 1$
- 2) slope  $m = -3$ , y-intercept  $b = 5$
- 3)  $m = (8 - 2)/(3 - 1) = 6/2 = 3$
- 4)  $m = (1 - 7)/(5 - 2) = -6/3 = -2$
- 5)  $y = -2x + 10$  (subtract  $2x$  from both sides)
- 6)  $-2y = -3x + 12$ ,  $y = (3/2)x - 6$
- 7)  $y = -2x + 4$ ; when  $x = 3$ :  $y = -6 + 4 = -2$