Pg. 365; #1-5, 6-18 even

Algebra 1 (Lesson 6.3)

1. (A). standard
   (B). point-slope
   (C). slope-intercept
   (D). standard

2. $y = 6x - 4$

   $-6x + y = -4$

3. $y - 2 = -(x + 7)$

   $y - 2 = -x - 7$

   $x + y = -5$

4. $y = \frac{4}{3}x - \frac{2}{3}$

   $3(y = \frac{4}{3}x - \frac{2}{3})$

   $3y = 4x - 2$

   $-4x + 3y = -2$

5. $y - 4 = \frac{7}{3}(x - 3)$

   $3(y - 4 = \frac{7}{3}x - 7)$

   $3y - 12 = 7x - 21$

   $-7x + 3y = -9$

6. $y - 4 = 3(x - 1)$

   $y - 4 = 3x - 3$

   $-3x + y = 1$

8. $y + 4 = -3(x - 0)$

   $y + 4 = -3x + 0$

   $3x + y = -4$

10. $y - 3 = \frac{4}{7}(x - 1)$

    $7(y - 3 = \frac{4}{7}x - \frac{4}{7})$

    $7y - 21 = 4x - 4$

    $-4x + 7y = 17$

12. $m = \frac{4-1}{0-(-1)} = \frac{3}{1} = 3$

    $y - 4 = 3(x - 0)$

    $y - 4 = 3x - 0$

    $-3x + y = 4$

14. $m = \frac{-5-1}{2-(-1)} = \frac{-6}{3} = -2$

    $y - 1 = -2(x + 1)$

    $y - 1 = -2x - 2$

    $2x + y = -1$

16. $m = 3$

    $y + 2 = 3(x - 0)$

    $y + 2 = 3x - 0$ $\quad -3x + y = -2$

18. $(0, 10)$ $\quad m = 7.5$

    $y - 10 = 7.5(x - 0)$

    $y - 10 = 7.5x$ $\quad -7.5x + y = 10$