

Homework Lesson 3.2/14.1

1. Jalen earns a base salary of \$40 a day plus 20% of his sales. The expression  $40 + .2s$  can be used to represent how much he earns.
  - What does 40 represent?
  - What does 0.2 represent?
  - What does  $s$  represent?
  - Using the expression  $40 + .2s$ , how much will Jalen earn if he sells \$420 in merchandise?

Evaluate the expression  $x = 3$  and  $y = -4$

2.  $6(y + 7) - 2x^2$

Write an equivalent expression by simplifying the problem.

3.  $25b + 14 - 16b$

4.  $16x + 15 - 4x - 8$

5.  $6x^2 + 9y - 12 + 4y - 3x^2$

6.  $22a - 16a^2 + 27a^2 + 11a - 39$

7.  $5a^2b^3 + 11a^3 + 7a^2b^3 - 3a^3 + 12 - 2a^2b^3$