

## EXERCISES

Evaluate each expression for  $x = 2$  and  $y = 4$ . (Lesson 3.1)

14.  $\frac{2x^2 + 3x}{y}$

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15.  $(xy)^2 - x + y$

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16.  $(9x - 3y)^2$

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17.  $3x(3y - 5x)$

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Simplify. (Lesson 3.2)

18.  $2(x + y - 3) - x$

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19.  $2 + (6 - x) + 2x$

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20.  $15g - 3(5h) + 5g$

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21.  $6(m - 3) + 17$

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Write an algebraic expression for each situation, then evaluate the expression for the given values. (Lessons 3.1 and 3.3)

22. Samuel earns \$10 per hour plus \$1 per suitcase he sells. Find his earnings when he works 8 hours and sells 20 suitcases.
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