

HW 3.1 Lesson

Name: _____

- Regular: p. 84 #1-4, 5-19 odd
- Modified: p. 84 #4, 5, 7, 13, 15, 19
- Advanced: p. 84 #1-4, 5-19 odd, 29

1. **WRITING** Explain how to identify the terms of $3y - 4 - 5y$.

2. **WRITING** Describe how to combine like terms in the expression $3n + 4n - 2$.

3. **VOCABULARY** Is the expression $3x + 2x - 4$ in simplest form? Explain.

4. **REASONING** Which algebraic expression is in simplest form? Explain.

$$5x - 4 + 6y$$

$$4x + 8 - x$$

$$3(7 + y)$$

$$12n - n$$

Identify the terms and like terms in the expression.

(Terms = T; Like Terms = LT)

5. $t + 8 + 3t$

7. $2n - n - 4 + 7n$

9. $1.4y + 5 - 4.2 - 5y^2 + z$

T: _____

T: _____

T: _____

LT: _____

LT: _____

LT: _____

11. **ERROR ANALYSIS** Describe and correct the error in identifying the like terms in the expression.



$$3x - 5 + 2x^2 + 9x = 3x + 2x^2 + 9x - 5$$

Like Terms: $3x$, $2x^2$, and $9x$

Simplify the expression.

13. $11x + 9 - 7$

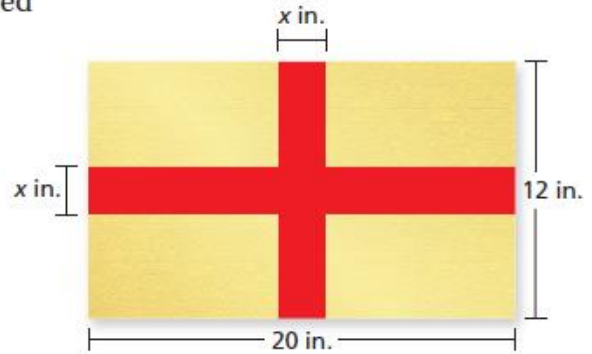
15. $4.2v - 5 - 6.5v$

19. $4p - 5(p + 6)$

Advanced:

29. **Critical Thinking** You apply gold foil to a piece of red poster board to make the design shown.

- a. Write an expression in simplest form that represents the area of the gold foil.
- b. Find the area of the gold foil when $x = 3$.
- c. The pattern at the right is called "St. George's Cross." Find a country that uses this pattern as its flag.



a)	
b)	
c)	