

PROBLEM RECOGNITION EXERCISES

Name: _____

Simplifying Expressions Versus Solving Equations

Section: _____

For Exercises 1-8, identify the statement as an expression or as an equation.

Then simplify the expression or solve the equation.

1. a. $(2x-5)(3x+1)$

b. $(2x-5)(3x+1)=0$

2. a. $\frac{5}{x-3} - \frac{1}{x+7} - \frac{2}{x^2+4x-21}$

b. $\frac{5}{x-3} - \frac{1}{x+7} = \frac{2}{x^2+4x-21}$

3. a. $(2x-3)^2=8$

b. $(2x-3)^2-8$

4. a. $5-\{6+3[2-5(y-2)]+1\}=7$

b. $5-\{6+3[2-5(y-2)]+1\}$

PROBLEM RECOGNITION EXERCISES

Name: _____

Simplifying Expressions Versus Solving EquationsSection: _____

5. a. $x^2 - 11x + 28 = 0$

b. $x^2 - 11x - 28 = 0$

6. a. $3x(x + 9) = 20 - x$

b. $3(x + 9) = 20 - x$

7. a. $\frac{35}{x} + 12 + x = 0$

b. $\frac{35}{x} + 12 + x$

8. a. $\frac{x}{x-2} + \frac{2}{3} = \frac{2}{x-2}$

b. $\frac{x}{x-2} + \frac{2}{3} - \frac{2}{x-2}$