

Name: \_\_\_\_\_

HW# \_\_\_\_\_

**Simplify each expression.**

1.  $-(4x + 2)$

2.  $5x - (2x - 4)$

3.  $8 - (6y + 2)$

4.  $0.5x + 2.1 - (3.5x + 1.4)$

5. What is  $8x + 2$  subtracted from  $3x - 5$ ?

6. What is the difference of  $-7x + 3$  and  $2x - 4$ ?

7. What is  $(4x^2 - 5x + 3)$  subtracted from  $(2x^2 - 4)$ ?

8. ABC Amusement park charges \$8 to enter and \$3 per ride,  $r$ , that you go on.

- a. Write an expression to represent the cost of going to ABC Amusement park.

XYZ Amusement park charges \$12 to enter and \$4 per ride,  $r$ , that you go on. Write a simplified

- b. Write an expression to represent the cost of going to XYZ Amusement park.

- c. Write a simplified expression to show how much more XYZ Amusement park charges than ABC Amusement park.