NAME _____ DATE _____ PERIOD _____

Lesson 6 Homework Practice

Add Linear Expressions

Add. Use models if needed.

1. $(9x + 7) + (x + 3)$

2. $(-4x + 6) + (x - 5)$

3. $(-3x + 15) + (-3x + 2)$

4. $(-2x + 10) + (-8x - 1)$

5. $(-2x + 4) + (x - 11)$

6. $(8x + 9) + (-6x - 1)$

7. $(-6x + 3) + (5x - 4)$

8. $(2x - 4) + (-x + 9)$

9. $(-8x + 2) + (-5x + 7)$

10. $(-4x - 2) + (13x + 1)$

11. $(-7x - 14) + (x - 6)$

12. $(12x + 3) + (-7x + 5)$

13. $(4x - 1) + (-5x + 17)$

14. $(-9x + 2) + (-8x - 2)$

15. $(1.3x + 2.4) + (-6.1x - 3.2)$

16. $(0.5x - 0.6) + (0.75x - 0.1)$

17. GEOMETRY A rectangle has side lengths of $(3x + 6)$ inches and $(2x - 4)$ inches. Write an expression to represent the perimeter of the rectangle. Then find the value of x if the perimeter is 94 inches.

18. CRUISE SHIPS The table shows the number of cruise ships in a harbor on various days.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Number	$x - 4$	$x + 9$	$2x$	$3x - 7$	4

a. Write an expression for the total number of cruise ships in the harbor on Monday and Tuesday.

b. Write an expression for the total number of cruise ships in the harbor on all 5 days.