

Name: _____

Date: _____

Extra Practice (7.1 - 7.2)

Solve each equation.. (lesson 7.1)

1) $3g - 12 = 9g$

2) $14m = 18 + 12m$

3) $7c - 7 = 4c + 17$

4) $-2h - 16 = 3h - 6$

5) $2f - 9 = 14f + 1$

6) $\frac{3}{4}y - 6 = \frac{1}{4}y + 10$

7) $8n - 6 = -9n + 11$

8) $3b + 4.4 = 2.6 - 6b$

Define a variable and write an equation to find each number. Then solve.

9) Twice a number is sixty more than five times the number. What is the number?

10) A number equals six less than four times a number. What is the number?

11) The area of a tennis court is 2808 ft^2 , or 8 square feet more than 3.5 times the size of the area of a racquetball court. What is the area of the racquetball court? Draw a picture to help you solve the problem.

12) One cellular phone company charges \$26.50 a month plus \$0.15 a minute for local calls. Another carrier charges \$14.50 a month and \$0.25 a minute for local calls. For how many minutes is the cost of the plans the same?

Solve each equation.. (lesson 7.2)

$$13) 4(j - 7) = 12$$

$$14) 5(2k + 10) = 40$$

$$15) y - 7 = \frac{1}{4}(y + 2)$$

$$16) 5(a + 2) = 9 + 5a$$

$$17) 4(2e - 6) + 11 = 8e - 13$$

$$18) 6 + 6(2w - 1) = 3 + 12w$$

$$19) \frac{2}{3}d + 2 = \frac{1}{3}(4d + 1)$$

$$20) 9c - 21 = 3(c - 7) + 6c$$