Homework   Oct. 17 Glue on page 43

Match each phrase with the corresponding variable expression.

_i_   1. Seven decreased by three times a number   a. $2(x + 3)$

_a_   2. Twice the sum of a number and three   b. $3x + 1$

_g_   3. Five times the sum of a number and two   c. $3x - 7$

_d_   4. The difference between three times a number   d. $3x - 1$
and one.

_h_   5. Six times the difference of a number and five.   e. $5x + 2$

_j_   6. Five less than six times a number.   f. $2x + 3$

_b_   7. One more than three times a number.   g. $5(x + 2)$

_f_   8. Twice a number, increased by three.   h. $6(x - 5)$

_c_   9. Seven less than three times a number.   i. $7 - 3x$

_e_   10. Two increased by five times a number.   j. $6x - 5$

Write each sentence as an equation.

11. 6 less than the product of 8 and c is 58.

$$8c - 6 = 58$$

12. The sum of 9 and the quotient of x and 7 is 11.

$$9 + \frac{x}{7} = 11$$

13. The cost of the tea plus 10 cents tax is $2.09.

$$x + 0.10 = 2.09$$

14. 12 less than twice the number of dogs is 36.

$$2x - 12 = 36$$

15. 17 inches less than 3 times Sam's height is 170 inches.

$$3x - 17 = 170$$

16. 4 times the difference of a number and 6 is 42.

$$4(x - 6) = 42$$