TRANSLATING PHRASES

Translate the phrases into algebraic equations.

1) sum of y and 2 gives fifteen

2) The difference of h and four divided by six equals eight

3) Thrice v is twenty-seven

4) Half of w increased by three is equal to twelve

5) Twice the difference between b and ten is seven

6) Seventeen reduced by four times is as much as two x

7) g more than one is equal to a quarter

8) Nine yields ratio of d and four

9) Three times p minus 2 is as same as three plus five times p

10) The product of thirteen and u gives thirty-nine

TRANSLATING PHRASES

Answer key

Translate the phrases into algebraic equations.

1) sum of y and 2 gives fifteen

$$y + 2 = 15$$

2) The difference of h and four divided by six equals eight

$$\frac{h-4}{6} = 8$$

3) Thrice v is twenty-seven

$$3v = 27$$

4) Half of w increased by three is equal to twelve

$$\frac{1}{2}w + 3 = 12$$

5) Twice the difference between b and ten is seven

$$2(b - 10) = 7$$

6) Seventeen reduced by four times is as much as two x

$$17 - 4x = 2x$$

7) g more than one is equal to a quarter

$$g + 1 = \frac{1}{4}$$

8) Nine yields ratio of d and four

$$9 = \frac{d}{4}$$

9) Three times p minus 2 is as same as three plus five times p

$$3p - 2 = 3 + 5p$$

10) The product of thirteen and u gives thirty-nine

$$13u = 39$$