

Substituting into an expression

1. Substitute these values into each expression; $a = 5$, $b = 2$

a. $a + b = 7$

b. $a - b = 3$

c. $2a + 3b = 16$

d. $5a - b = 23$

2. Substitute these values into each expression; $x = 4$, $y = 7$, $z = 2$

a. $x + y + z = 13$

b. $2x - y + 3z = 7$

c. $4y + 2z - x = 28$

d. $x^2 + 7y + 5x = 85$

3. Substitute these values into each expression; $m = -2$, $n = 4$, $p = 3$, $q = -8$

a. $m + n = 2$

b. $p + q - 2n = -13$

c. $2q - p = -19$

d. $3m - 2q = 10$

e. $m^2 + 4p + q = 8$

4. Find the value of each expression using the values given.

a. $\frac{x}{2} + 4y = 13$ $x = 10, y = 2$

b. $3(p + 2q) = 42$ $p = 8, q = 3$

c. $m + n(q + 3) = 16.5$ $m = 4.5, n = 6, q = -1$

d. $(u + v)^x = 81$ $u = 7, v = -4, x = 4$