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. $x/2$ + 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