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