

1. Evaluate each for $M = -6$ $N = 3$ $P = -2$

a. $2M^2 - P^3$

b. $-P - MNP$

b. $|N + P| - |M|$

2. The width of a rectangle is three more than twice the length. The perimeter of the rectangle is 48. Write and solve equations to find the dimensions of the rectangle.

3. The sides of a rectangle are in the ratio 5:8. The perimeter of the rectangle is 78. Write and solve an equation to find the dimensions of the rectangle.