

6.2.2 Problem Set

Now practice your solving skills by building each of the equations below with [algebra tiles](#), solving for x , and checking your solution for each equation. Record your work.

a. $4(x + 1) + 1 + (-x) = 10 + x$

b. $-1 + 2x - x = x - 8 + (-x)$

c. $5 + 2(x - 4) = 4x + 7$

d. $9 - 3x = 1 + x$

e. $3x + 3 - x + 2 = x + 5$

f. $4 = 3(2x + 1) - 11$