Variables, pt.3
Solving Unknowns

Solve these unknowns involving mixed operations.

Ex. 12a - 9 = 135

$$12a - 9 = 135$$
$$+9 \quad +9$$
$$12a = 144$$
$$a = 12$$

Ex. 9☺ +10 = 91

$$9☺ + 10 = 91$$
$$-10 \quad -10$$
$$9☺ = 81$$
$$☺ = 9$$

Problems: Solve for the unknown.

1.) 12f + 6 = 30, f = ?

2.) 12♥ + 5 = 113, ♥ = ?

3.) 3☺ + 7 = 28, ☺ = ?

4.) 5* +5 = 35, * = ?

5.) 7x + 2 = 23, x = ?

6.) 4y - 4 = 12, y = ?

7.) 2z - 9 = 15, z = ?

8.) 11b - 6 = 27, b = ?

9.) 3β - 5 = 25, β = ?

10.) 6k - 4 = 26, k = ?