

Name: \_\_\_\_\_

HW # \_\_\_\_\_

**Solve each two-step equation. Check the equations that ask to check.**

1.  $2x + 10 = 20$

Check

2.  $-3x + 9 = 54$

2.  $-4x + 5 = -11$

Check

3.  $\frac{x}{7} - 2 = -9$

4.  $2x + 1.2 = 3.6$

Check

Translate the following sentences into an algebraic equation. **Then solve.**

5. The product of five and a number, increased by 13 is equal to 28. **Write an equation to represent the situation and solve.**

6. UPS charges a \$10 flat fee to ship a package and an additional \$2 per pound,  $p$ . You shipped a package and it cost \$22. **Write an equation to represent the situation and solve.**