

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

Date: \_\_\_\_\_

**HW # 10:** Algebra 1 - Standard 5 - Solve Equations with Variable on Both Sides of Equal Sign

5 points

---

Solve each equation. Show the work that justifies your answer.

1.  $7c + 12 = -4c + 78$

2.  $2m - 13 = -8m + 27$

5.  $\frac{b-4}{6} = \frac{b}{2}$

6.  $\frac{3v+12}{6} = \frac{4v}{3}$

7.  $2(r+6) = 4(r+4)$

8.  $6(n+5) = 3(n+16)$

15.  $5 - 3(w+4) = w - 7$

16.  $2x - 5(x-3) = 2(x-10)$

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

Date: \_\_\_\_\_

**HW # 10:** Algebra 1 - Standard 5 - Solve Equations with Variable on Both Sides of Equal Sign

5 points

---

Solve each equation. Show the work that justifies your answer.

- 19. NATURE** The table shows the current heights and average growth rates of two different species of trees. Write and solve an equation to find how long it will take for the two trees to be the same height.

Tree Species	Current Height	Annual growth
A	38 inches	4 inches
B	45.5 inches	2.5 inches