

## 1.2.D3 ~ Analyzing &amp; Sorting Graphs

Past due on \_\_\_\_\_ Period \_\_\_\_\_

**Use inverse operations to solve each equation.**

1)  $-2x + 3 = -33$

2)  $3n - 8 = 52$

**First distribute. Then use inverse operations to solve each equation. SHOW ALL WORK.**

3)  $4(-6a - 3) = 84$

4)  $-8(4 - 7k) = -424$

**Combine like terms. Then use inverse operations to solve each equation. SHOW ALL WORK.**

5)  $3p + 2 - 4p = 1$

6)  $x + 6 + 6x = -15$

7)  $-22 = -3x - 8x$

8)  $12 = -7x + 5x$

**First distribute. Then combine like terms. Finally, use inverse operations to solve each equation. SHOW ALL WORK.**

9)  $4n + 8(n - 6) = -120$

10)  $-85 = 2(6 + 6n) - 1$

11)  $179 = -4v + 5(8v + 7)$

12)  $-n - 3(5n + 2) = -102$