

## Q1 HW2 \*ALL WORK ON LOOSE LEAF\*

Date\_\_\_\_\_ Period\_\_\_\_\_

**Solve each equation. Check your solution.**

1)  $8(k + 1) = 4(k - 10)$

2)  $4(3 - 2a) = 2(5a - 3) - 9a$

**Solve each inequality and graph its solution.**

3)  $80 \leq 8(3 - x)$

4)  $3(-8p - 2) > -78$

5)  $-14 \leq 8m - 7(8m + 2)$

6)  $17 \geq -4 - 3(1 + 8n)$

7)  $29 \geq -(8r + 3)$

8)  $-8x - 4(7x + 5) > -20$

**Solve each inequality.**

9)  $6(7 - b) < -8b + 26$

10)  $4(-2v + 3) \leq 3 + v$

11)  $-5x + 35 \leq -8(7x + 2)$

12)  $-7(7 + 6n) \leq -8n - 15$

13)  $1 - 4(n + 7) \leq -5(n + 6)$

14)  $-1 - 8(3 + 2a) \geq 2(a + 6) - 1$

15)  $-8 + 4(x + 7) < -2 + 3(x + 8)$

16)  $5(1 + 2v) \leq -2 + 7(1 - 8v)$