

## Assignment

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

Solve each equation.

1)  $4|2 + n| = 40$

2)  $|-3 + v| + 8 = 10$

3)  $|-3 + v| + 3 = 4$

4)  $|-2 + x| - 4 = 6$

5)  $5|-2 + x| = 35$

6)  $-3\left|\frac{x}{2}\right| = -9$

7)  $|-3x| - 2 = 4$

8)  $\left|\frac{k}{4}\right| + 3 = 4$

9)  $\frac{|p + 1|}{8} = 4$

10)  $-5|4 + n| = -20$

Solve each equation by taking square roots.

11)  $r^2 + 1 = 26$

12)  $3x^2 = 12$

13)  $-3m^2 = -27$

14)  $n^2 - 4 = 96$

15)  $8n^2 = 32$

16)  $25x^2 = 25$

17)  $-5n^2 = -180$

18)  $81x^2 = 36$

19)  $-3v^2 = -108$

20)  $-4v^2 = -36$