

## Solving Absolute Value Equations

Unit 2: Equations and Inequalities

Solve each equation:

1. $ m  = 5$	2. $ n  + 4 = 6$
3. $5 + 3 x  = 35$	4. $\left \frac{n}{10}\right  = 3$
5. $ n - 6  = 13$	6. $ 2r  = 8$
7. $ 10p  + 4 = 34$	8. $\left \frac{n}{2}\right  - 6 = -5$
9. $ 5v  - 10 = 20$	10. $-7 m - 8  + 6 = -1$

$$11. -4 + 8|-6x| = 44$$

$$12. 3 - 3|10 + v| = -12$$

$$13. |7x - 8| = 36$$

$$14. |3 + 8m| = 51$$

$$15. |10 - 7x| = 80$$

$$16. -7|2m + 6| = -98$$

$$17. -10|5 - 5b| = -50$$

$$18. |9v - 9| - 9 = 18$$

$$19. 2|4n + 5| + 1 = 43$$

$$20. 3|3x + 4| + 3 = 18$$