

NAME _____

Module 6 Solving Absolute Value Equations and Inequalities

Lesson 1 Solving Basic Absolute Value Equations



**additional
practice**

Solve the following absolute value equations.

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| 1. $ x = 3$ $x = 3$ or -3 _____ | 2. $ x = -1$ \emptyset _____ |
| 3. $ x = 5$ $x = 5$ or -5 _____ | 4. $ x = 2$ $x = 2$ or -2 _____ |
| 5. $ x + 1 = 3$ $x = 2$ or -4 _____ | 6. $ x + 5 = 10$ $x = 5$ or -15 _____ |
| 7. $ x + 2 = 7$ $x = 5$ or -9 _____ | 8. $ x + 3 = 7$ $x = 4$ or -10 _____ |
| 9. $ x - 1 = 5$ $x = 6$ or -4 _____ | 10. $ x - 8 = 4$ $x = 12$ or 4 _____ |
| 11. $ 3x = 6$ $x = 2$ or -2 _____ | 12. $ 4x = 12$ $x = 3$ or -3 _____ |
| 13. $ 4x = 8$ $x = 2$ or -2 _____ | 14. $ 3x = 3$ $x = 1$ or -1 _____ |
| 15. $\left \frac{x}{2}\right = 0$ $x = 0$ _____ | 16. $\left \frac{x}{5}\right = 6$ $x = 30$ or -30 _____ |
| 17. $\left \frac{x}{3}\right = 3$ $x = 9$ or -9 _____ | 18. $\left \frac{x}{5}\right = 3$ $x = 15$ or -15 _____ |
| 19. $\left \frac{x}{9}\right = 1$ $x = 9$ or -9 _____ | 20. $\left \frac{x}{8}\right = 9$ $x = 72$ or -72 _____ |

