**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_\_\_ Score:\_\_\_\_\_**

**U10 HW #3** *Solving Single Variable Absolute Value Equations*

**Directions:** Solve the following equations. Show all work.

|  |  |
| --- | --- |
| 1. $\left|2m\right|=6$ | 2. $\left|\frac{x}{5}\right|=1$ |
|  3. $\left|r-6\right|=1$ | 4. $\left|3n-3\right|=6$ |
| 5. $\left|1-10x\right|=0$ | 6. $\left|-9+2r\right|=3 $ |
| 7. $\left|2r+8\right|=$6 | 8. $\left|-5-2x\right|=7$ |

|  |  |
| --- | --- |
| 9. $\left|-p+1\right|=9$ | 10.$\left|-4+2x\right|=6$ |
| 11. $\left|-2-8a\right|=6$ | 12. $\left|5r-9\right|=-4$ |
| 13. $\left|-\frac{4}{3v}\right|=\frac{8}{3}$ | 14. $\left|n+\frac{2}{3}\right|=\frac{4}{3}$ |
| 15. $\left|-2-2a\right|=12$ | 16. $\left|-3x+9\right|=27$ |