

Name: _____

Date: _____

Period: _____

Original Equation

Step 1:

ISOLATE the absolute value (if possible)

Step 2:

Split

(Unless the answer is negative, then no solution).

Equation 1

Equation 2

Drop the absolute value brackets
(use parenthesis if necessary).Drop the absolute value brackets and **NEGATE**
(use parenthesis if necessary).

Step 3:

Solve Equation

Solve Equation

Step 4:

Check your answer in **ORIGINAL** EquationCheck your answer in **ORIGINAL** Equation

Solve #s 1–18 ON A SEPARATE PIECE OF PAPER using the template provided. Organization is a KEY to success. REMEMBER you **MUST** check **EACH** solution in the **ORIGINAL** equation.

1. $|p-3|=10$

2. $|-2k|=6$

3. $|6f|=-2$

4. $\left|\frac{q}{5}\right|=3$

5. $|-a+2|+9=6$

6. $3|4-3m|=30$

7. $-4|5g-12|=-12$

8. $|x-3|+9=30$

9. $3|2d-6|+2=2$

10. $7|2c-6|+4=32$

11. $|9w-4|=|2w+10|$

12. $2|n+7|=|4n+8|$

13. $3|3t+1|=2|6t+3|$

14. $|5r+3|=2r$

15. $|j-5|=|j+9|$

16. $|2k+4|=|2k+3|$

17. $|2w|+7=4$

18. $|4p-3|=13$