Solve these equations. YOU MUST SHOW YOUR WORK.

1. \[ d \div 8 + 6 = \frac{14}{d} + 8 \]
   \[ d = 14 \]

2. \[ -12 = \frac{x}{14} + 3 \]
   \[ -3 \]
   \[ 14 \cdot -15 = \frac{x}{14} \cdot 14 \]
   \[ -210 = x \]

3. \[ -7x \div 1 = 64 \]
   \[ -7 \]
   \[ -7 \cdot -7 = \frac{63}{-7} \]
   \[ x = -9 \]

4. \[ 29 = 3x + 8 \]
   \[ -8 \]
   \[ \frac{21}{3} = \frac{3x}{3} \]
   \[ 7 = x \]

5. \[ 6a - 5 \div 13 + 4a \]
   \[ -4a \]
   \[ 2a + 5 = \frac{13}{+5} \]
   \[ \frac{2a}{2} = \frac{18}{2} \]
   \[ a = 9 \]

6. \[ 2(j - 3) = 18 \]
   \[ \frac{2j}{3} = \frac{24}{2} \]
   \[ j = 12 \]

Multiple Choice. Solve each equation showing all steps. Then select the answer that matches yours.

7. Solve \( 5y - 4 = 9y + 8 \).
   - A. -1.2
   - B. 1
   - C. 10
   - D. -3

8. Solve \( 3(2k - 2) = -2(4k - 11) \).
   - E. 2
   - F. -14
   - G. 20
   - H. -2

K = 2
9. Evaluate \( | -4y + 2z | \) if \( y = 7 \) and \( z = -9 \).

\[
\begin{align*}
| -4 \cdot 7 + 2 \cdot -9 | \\
| -28 + -18 | \\
| -46 | \\
46
\end{align*}
\]

For Questions 10-12, solve each equation. Then graph the solution set.

10. \( | 2b + 5 | = 3 \)

| Case 1: \\
\[ 2b + 5 = 3 \] \\
\[ b = -1 \]

| Case 2: \\
\[ 2b + 5 = -3 \] \\
\[ b = -4 \]

\[ \{ b = -1, -4 \} \]

11. \( | p - 2 | = 1 \)

| Case 1: \\
\[ p - 2 = 1 \] \\
\[ p = 3 \]

| Case 2: \\
\[ p - 2 = -1 \] \\
\[ p = 1 \]

\[ \{ p = 1, 3 \} \]

12. Solve \( | 6m - 3 | = 9 \).

| Case 1: \\
\[ 6m - 3 = 9 \] \\
\[ m = 2 \]

| Case 2: \\
\[ 6m - 3 = -9 \] \\
\[ m = -1 \]

\[ \{ m = -1, 2 \} \]

Reflection:
How prepared do you feel for this assessment? Explain.

What is one thing you will do to help you prepare for the test next week?