Solve equations involving like terms

Solve on the rough paper then write the correct answer (follow the example).

1. Find the value of $m$.
   
   $9m + 3m - 10m = 74$

2. Find the value of $p$.
   
   $19p - 7p = 144$

3. Find the value of $u$.
   
   $25u - 3u - 11u = 11$

4. Find the value of $x$.
   
   $x + 8x + 3x = 60$

5. Find the value of $p$.
   
   $10p + 2p + 15p = 54$

6. Find the value of $u$.
   
   $50u - 25u + 45u = 700$

7. Find the value of $t$.
   
   $20 = 10t + 15t - 24t$

Find the value of the variables in the following expressions, and choose the most correct answer.

8. $6m - 2m + 4m = 8$
   
   $\square m = 8 \quad \square m = 16 \quad \square m = 4 \quad \square m = 1$

9. $10t + 15t + t = 78$
   
   $\square t = 3 \quad \square t = 78 \quad \square t = 26 \quad \square t = -3$

10. $25u + 5u - 10u = 40$
    
    $\square u = 20 \quad \square u = 40 \quad \square u = 2 \quad \square u = 40$

11. $6s - 3s - 2s = 59$
    
    $\square s = 59 \quad \square s = 1 \quad \square s = 58 \quad \square s = 50$

12. $2x - x + 17x = 216$
    
    $\square x = 216 \quad \square x = 12 \quad \square x = 18 \quad \square x = 70$
**Solve equations involving like terms**

Solve on the rough paper then write the correct answer (follow the example).

1. Find the value of \( m \).
   
   \[
   9m + 3m - 10m = 74
   \]
   
   Combine the \( m \) terms.
   
   \[
   9m + 3m - 10m = 74
   \]
   
   \[
   12m - 10m = 74
   \]
   
   \[
   2m = 74
   \]
   
   Divide both sides by 2 to solve for \( m \).
   
   \[
   \frac{2m}{2} = \frac{74}{2}
   \]
   
   \[
   m = 37
   \]

2. Find the value of \( p \).
   
   \[
   19p - 7p = 144
   \]
   
   \[
   p = 12
   \]

3. Find the value of \( u \).
   
   \[
   25u - 3u + 11u = 11
   \]
   
   \[
   u = 1
   \]

4. Find the value of \( x \).
   
   \[
   x + 8x + 3x = 60
   \]
   
   \[
   x = 5
   \]

5. Find the value of \( p \).
   
   \[
   10p + 2p + 15p = 54
   \]
   
   \[
   p = 2
   \]

6. Find the value of \( u \).
   
   \[
   50u - 25u + 45u = 700
   \]
   
   \[
   u = 10
   \]

7. Find the value of \( t \).
   
   \[
   20 = 10t + 15t - 24t
   \]
   
   \[
   t = 20
   \]

Find the value of the variables in the following expressions, and choose the most correct answer.

8. \( 6m - 2m + 4m = 8 \)
   
   \[
   \square \ m=8 \quad \square \ m=16 \quad \square \ m=4 \quad \checkmark \ m=1
   \]

9. \( 10t + 15t + t = 78 \)
   
   \[
   \checkmark \ t=3 \quad \square \ t=78 \quad \square \ t=26 \quad \square \ t=-3
   \]

10. \( 25u + 5u - 10u = 40 \)
    
    \[
    \square \ u=20 \quad \square \ u=40 \quad \checkmark \ u=2 \quad \square \ u=40
    \]

11. \( 6s - 3s - 2s = 59 \)
    
    \[
    \checkmark \ s=59 \quad \square \ s=1 \quad \square \ s=58 \quad \square \ s=50
    \]

12. \( 2x - x + 17x = 216 \)
    
    \[
    \square \ x=216 \quad \checkmark \ x=12 \quad \square \ x=18 \quad \square \ x=70
    \]

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