

Name: Class:

Add and subtract like terms

Say whether the answers to the solved problems below are **TRUE** or **FALSE**. Correct all the false answers. (combine all like terms)

1. $7f + f = 9f$.

 True False

The correct answer is _____

2. $4x^3t^3 - 9x^2t + 3x^3t^3 + x^3t^3 = 7x^3t^3 - 9x^2t + x^3t^3$.

 True False

The correct answer is _____

3. $r + (10r + 11r) - 12r = r + (10r + 11r) - 12r$

 True False

The correct answer is _____

4. $2x + 11u + 5u + 6x = 8x + 16u$

 True False

The correct answer is _____

5. $9q + 5q - 7q - (10 + 5) = 7q - 10 + 5$

 True False

The correct answer is _____

6. $15 + 5 - 10z - 2z = 20 - 12z$

 True False

The correct answer is _____

7. $n - 4 - 9 + 9n^2 + n^2 = n - 13 + 10n^2$

 True False

The correct answer is _____

8. $6k + 7k = 6k + 7k$

 True False

The correct answer is _____

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Say whether the answers to the solved problems below are **TRUE** or **FALSE**. Correct all the false answers. (combine all like terms)

1. $7f + f = 9f$.

True False

The correct answer is $8f$

2. $4x^3t^3 - 9x^2t + 3x^3t^3 + x^3t^3 = 7x^3t^3 - 9x^2t + x^3t^3$.

True False

The correct answer is $8x^3t^3 - 9x^2t$

3. $r + (10r + 11r) - 12r = r + (10r + 11r) - 12r$

True False

The correct answer is $10r$

4. $2x + 11u + 5u + 6x = 8x + 16u$

True False

The correct answer is $8x + 16u$

5. $9q + 5q - 7q - (10 + 5) = 7q - 10 + 5$

True False

The correct answer is $7q - 15$

6. $15 + 5 - 10z - 2z = 20 - 12z$

True False

The correct answer is $20 - 12z$

7. $n - 4 - 9 + 9n^2 + n^2 = n - 13 + 10n^2$

True False

The correct answer is $n - 13 + 10n^2$

8. $6k + 7k = 6k + 7k$

True False

The correct answer is $13k$