Name - _ _ _ _ _ _ _ _ Start time - _ _ : _ _ End time - _ _ : _ _

Monomial, Binomial, and Trinomial:

State whether the following statements are true or false:-

1. Simplifying $3x^2 + 2x^2$ results in $5x^2$. - _____
2. The simplified form of $2(3x + 4y)$ is $6x + 4y$. - _____
3. Simplifying $4x^2 - 2x^2$ results in $2x^2$. - _____
4. The expression $(x + 2)(x - 2)$ simplifies to $x^2 - 4$. - _____
5. Simplifying $6xy^2 + 3xy - 2xy^2$ results in $4xy^2 + 3xy$. - _____
6. Squaring a binomial results in a trinomial. - _____
7. Dividing a monomial by a binomial may result in a polynomial. - _____

For each expression, given below, state whether it is a monomial, binomial or trinomial:

1. $ax^2 + bx - 7$ -_____
2. $-3mn + t$ -_____
3. $1 + a + z$ -_____
4. $1 + a \div z$ -_____
5. $a + ab - b^2$ -_____
6. $(3x + 2y)(2x - 5)$ -_____
7. 5p^2q - 3pq^2 -_____
8. $0.5m^3n$ -_____

1 2 3 4 5 6 7 8 9