

Simplifying Algebraic Expressions

1. Evaluate each expression using the given values of the variables

$$-3p^2 - 4p + 3 \text{ for } p = -2$$

2. Evaluate each expression using the given values of the variables

$$\frac{5y - z + x}{x - y} \text{ for } x = 2, y = -3, z = -1$$

3. Evaluate each expression using the given values of the variables

$$a^2 - 5b^2 \text{ for } a = -2, b = -3$$

4. Use the Distributive Property to remove the parenthesis

$$2(3x^2 - 7x + 4)$$

5. Use the Distributive Property to remove the parenthesis

$$-3(4a - b)$$

6. Use the Distributive Property to remove the parenthesis

$$(4x - 7y)5$$

7. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms

$$7m - 2m + 3m$$

8. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms

$$-(-x^2 - 5x + 6)$$

9. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms

$$5(x - 3) - 4x$$

10. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms

$$-2(4x - 3) - 5(6x + 1)$$

11. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms

$$\frac{2}{9}x + \frac{1}{12}x$$

12. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms

$$\frac{1}{3}(6x+2) - \frac{1}{4}(8x+1)$$