Simplifying Algebraic Expressions

1. Evaluate each expression using the given values of the variables (similar to p.72 #37-49)

$$-3p^2-4p+3 \quad for \quad p=-2$$

2. Evaluate each expression using the given values of the variables (similar to p.72 #37-49)

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

3. Evaluate each expression using the given values of the variables (similar to p.72 #37-49)

$$a^2-5b^2 \quad for \quad a=-2, b=-3$$

4. Use the Distributive Property to remove the parenthesis (similar to p.73 #63-69)

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

5. Use the Distributive Property to remove the parenthesis (similar to p.73 #63-69)

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

6. Use the Distributive Property to remove the parenthesis
(similar to p.73 #63-69)

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

7. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms
(similar to p.73 #71-99)

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

8. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms
(similar to p.73 #71-99)

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

9. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms
(similar to p.73 #71-99)

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

10. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms
(similar to p.73 #71-99)

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

11. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms
(similar to p.73 #71-99)

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

12. Simplify each expression by using the Distributive Property to remove parenthesis and combining like terms
(similar to p.73 #71-99)

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