Review Exercise Set 5

Exercise 1: Simplify $9 \div 3 + 5$.

Exercise 2: Simplify $2 * (5 - 3) + 8$.

Exercise 3: Simplify $3^2 + 6 * (7 - 3)$.

Exercise 4: Evaluate the expression $x + 2y$, where $x = 5$ and $y = 3$.

Exercise 5: Evaluate the expression $x^2 + 3y$, where $x = 3$ and $y = 2$. 
Review Exercise Set 5 Answer Key

Exercise 1: Simplify $9 ÷ 3 + 5$.

$$
9 ÷ 3 + 5 \\
= (9 ÷ 3) + 5 \\
= 3 + 5 \\
= 8
$$

Exercise 2: Simplify $2 * (5 - 3) + 8$.

$$
2 * (5 - 3) + 8 \\
= 2 * (2) + 8 \\
= 4 + 8 \\
= 12
$$

Exercise 3: Simplify $3^2 + 6 * (7 - 3)$.

$$
3^2 + 6 * (7 - 3) \\
= 3^2 + 6 * (4) \\
= (3 * 3) + 6 * (4) \\
= 9 + 24 \\
= 33
$$

Exercise 4: Evaluate the expression $x + 2y$, where $x = 5$ and $y = 3$.

$$
x + 2y \\
= 5 + 2(3) \\
= 5 + 6 \\
= 11
$$

Exercise 5: Evaluate the expression $x^2 + 3y$, where $x = 3$ and $y = 2$.

$$
x^2 + 3y \\
= (3)^2 + 3(2) \\
= (3)^2 + 6 \\
= (3 * 3) + 6 \\
= 9 + 6 \\
= 15
$$