Review Exercise Set 10

Exercise 1:  Simplify. $3 - 4 \div 2 = ?$

Exercise 2:  Simplify. $3(5 - 1) + 2 = ?$

Exercise 3:  Simplify. $3 \times (2 + 3) - 8 \div 4$

Exercise 4:  Evaluate the variable expression given that $a = -1$, $b = 1$, $c = 3$, and $d = -2$.

$3a + 4c = ?$

Exercise 5:  Evaluate the variable expression given that $a = -1$, $b = 1$, $c = 3$, and $d = -2$.

$bc \div 3a = ?$
Review Exercise Set 10 Answer Key

Exercise 1: Simplify. 3 - 4 ÷ 2 = ?

\[
3 - 4 \div 2 \\
= 3 - (4 \div 2) \\
= 3 - 2 \\
= 1
\]

Exercise 2: Simplify. 3(5 - 1) + 2 = ?

\[
3(5 - 1) + 2 \\
= 3(4) + 2 \\
= 12 + 2 \\
= 14
\]

Exercise 3: Simplify. 3 * (2 + 3) - 8 ÷ 4

\[
3 * (2 + 3) - 8 ÷ 4 \\
= 3 * 5 - (8 ÷ 4) \\
= 3 * 5 - 2 \\
= 15 - 2 \\
= 13
\]

Exercise 4: Evaluate the variable expression given that a = -1, b = 1, c = 3, and d = -2.

\[
3a + 4c \\
= 3(-1) + 4(3) \\
= -3 + 12 \\
= 9
\]

Exercise 5: Evaluate the variable expression given that a = -1, b = 1, c = 3, and d = -2.

\[
bc ÷ 3a \\
= (1)(3) ÷ 3(-1) \\
= 3 ÷ -3 \\
= -1
\]