Review Exercise Set 10

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

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

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

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 ÷ 2
= 3 - (4 ÷ 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