

Name: _____



Evaluating Expressions (4 operations) (two variables)

Directions: Evaluate each expression when $a = 4$, $b = 3$, and $c = 6$

1. $6ac - 5 =$ _____

7. $\frac{6a - 4b}{3} =$ _____

2. $\frac{c}{b} =$ _____

8. $c - a + 12 =$ _____

3. $9(ab) - 5 =$ _____

9. $a + \frac{ab}{6} - \frac{12}{a} =$ _____

4. $\frac{bc}{9} + 2b =$ _____

10. $5ab - 3 =$ _____

5. $5a + 2c =$ _____

11. $\frac{4c}{b} + 3b =$ _____

6. $9ac - 4c =$ _____

12. $\frac{8a}{2} - \frac{ab}{3} =$ _____



ANSWER KEY

1. $6ac - 5 = 72$

7.

$$\frac{6a - 4b}{3} = 4$$

2. $\frac{c}{b} = 2$

8.

$$c - a + 12 = 14$$

3. $9(ab) - 5 = 103$

9.

$$a + \frac{ab}{6} - \frac{12}{a} = 3$$

4. $\frac{bc}{9} + 2b = 8$

10.

$$5ab - 3 = 57$$

5. $5a + 2c = 32$

11.

$$\frac{4c}{b} + 3b = 17$$

6. $9ac - 4c = 192$

12.

$$\frac{8a}{2} - \frac{ab}{3} = 12$$