

Name: _____



Evaluating Expressions (4 operations) (two variables)

Directions: Evaluate each expression when $a = 3$, $b = 2$, and $c = 10$

1. $5ac - 3 =$ _____

7. $\frac{30a - 4b}{6} =$ _____

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

8. $c - a + 17 =$ _____

3. $4(ab) - 3 =$ _____

9. $\frac{6b}{4} - \frac{c}{5} =$ _____

4. $\frac{bc}{5} + 9b =$ _____

10. $9ac - 7 =$ _____

5. $3a + 7b =$ _____

11. $\frac{4c}{b} + 9b =$ _____

6. $7ac - 15a =$ _____

12. $\frac{4c}{5} - \frac{bc}{5} =$ _____



ANSWER KEY

1. $5ac - 3 = 27$

7. $\frac{30a - 4b}{b} = 41$

2. $\frac{c}{b} = 5$

8. $c - a + 17 = 119$

3. $4(ab) - 3 = 12$

9. $\frac{6b}{4} - \frac{c}{5} = 1$

4. $\frac{bc}{5} + 9b = 22$

10. $9ac - 7 = 263$

5. $3a + 7b = 23$

11. $\frac{4c}{b} + 9b = 2$

6. $7ac - 15a = 165$

12. $\frac{4c}{5} - \frac{bc}{5} = 7$