

Algebraic Expressions

Simplify the following expressions.

1.) $5a + 6a =$

2.) $3a + a =$

3.) $8a - 3a =$

4.) $10b - 2a =$

5.) $9a + 4a =$

6.) $11a - 7a =$

7.) $4b + 3b =$

8.) $12b - 6b =$

9.) $5b + 9b =$

Complete the following expressions.

1.) $12 \times 3 - 2 \times 4 =$

2.) $4 \times 7 \times 2 \times 8 =$

3.) $3 - 7 + 2 \times 10 =$

4.) $15 \div 3 + 8 \times 5 =$

5.) $11 \times 3 - 12 \div 4 =$

6.) $5 \times 9 - 16 \div 2 =$

Combine like terms to simplify the following expressions.

1.) $3a(a + 4b - 2a) + 7 =$

2.) $5a + 3a - 15 \div 3 =$

3.) $4(3 + 9b + 10a - 4a) =$

4.) $(21 + 7)(4a + a) - 12 =$

5.) $17 + 4(3 + a) - a =$

6.) $10a - 4a \times 27 \div 3 =$