

Algebraic Expressions & Identities

Topic: Monomial & Binomial

Name: Date:

Note: Provide the answers in proper fraction. Eg. 75/16

Multiply the monomial by the binomial and find the value of each for $x = -1$, $y = 0.25$ and $z = 0.005$:

1. $15y^2(2 - 3x)$

2. $-3x(y^2 + z^2)$

3. $z^2(x - y)$

4. $xz(x^2 + y^2)$

Multiply

5. $(5x + 3)$ by $(7x + 2)$

6. $(2x + 8)$ by $(x - 3)$

7. $(7x + y)$ by $(x + 5y)$

8. $(a - 1)$ by $(0.1a^2 + 3)$

9. $(3x^2 + y^2)$ by $(2x^2 + 3y^2)$

10. $(\frac{3}{5}x + \frac{1}{2}y)$ by $(\frac{5}{6}x + 4y)$

