

Name:

Multiply the Polynomials

1) $5x^2(8x + 3y)$

2) $5y(2x - 8y)$

3) $6y^2(6x + 2y)$

4) $4y(5x + 8y)$

5) $5(x + y)$

6) $3x^2(7x - 6y)$

7) $2xy(3x + 3y)$

8) $4x^2(7x + 7y)$

9) $7y^3(6x + 6y)$

10) $4x^2(4x + 3y)$

Answers

Question	Answer
1) $5x^2 (8x + 3y)$	$40x^3 + 15x^2y$
2) $5y(2x - 8y)$	$10yx - 40y^3$
3) $6y^2 (6x + 2y)$	$36y^2 x + 12y^3$
4) $4y(5x + 8y)$	$20yx + 32y^2$
5) $5(x + y)$	$5x + 5y$
6) $3x^2 (7x - 6y)$	$21x^3 - 18x^2 y$
7) $2xy(3x + 3y)$	$6x^2 y + 6xy^2$
8) $4x^2 (7x + 7y)$	$28x^3 + 28x^2 y$
9) $7 y^3 (6x + 6 y)$	$42 y^3 x + 42 y^4$
10) $4x^2 (4x + 3 y)$	$16x^3 + 12x^2 y$