



Multiplying Binomials

Name _____

Score _____

MP:10

Multiply the binomials.

1) $(p + 3) \times (q - 2)$

2) $(mn - n^2) \times (m + 2mn)$

3) $(x + y^2) \times (-x - y)$

4) $(4 - t^5) \times (3t - 1)$

5) $(2k - 1) \times (4 + k^3)$

6) $(u + 3v) \times (4u + v)$

7) $(3a + b) \times (2b^2 - a^2)$

8) $(-5 - z) \times (6z - 5)$



Multiplying Binomials

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Answer key

MP:10

Multiply the binomials.

1) $(p + 3) \times (q - 2)$

$pq - 2p + 3q - 6$

3) $(x + y^2) \times (-x - y)$

$-y^3 - xy^2 - x^2 - xy$

5) $(2k - 1) \times (4 + k^3)$

$2k^4 - k^3 + 8k - 4$

7) $(3a + b) \times (2b^2 - a^2)$

$-3a^3 + 2b^3 + 6ab^2 - a^2b$

2) $(mn - n^2) \times (m + 2mn)$

$2m^2n^2 - 2mn^3 + m^2n - mn^2$

4) $(4 - t^5) \times (3t - 1)$

$-3t^6 + t^5 + 12t - 4$

6) $(u + 3v) \times (4u + v)$

$4u^2 + 13uv + 3v^2$

8) $(-5 - z) \times (6z - 5)$

$-6z^2 - 25z + 25$