

Name : _____

Multiplying Trinomials

Multi-variable: S2

Multiply the following.

1) $(-2m^2 + 4mn - n^2)(m^2 + 3mn + n^2)$

2) $\left(\frac{1}{4}xy - z\right)$

3) $(2a^2bc^3 +$

4) $(-3p^2 +$

5) $(st^6u^3 - 5s^4tu + 2u)(-2st^6u^2 + 3s^4t - 4)$

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Multiplying Trinomials

Multiply the following.

1) $(-2m^2 + 4mn - n^2)(m^2 + 3mn + n^2)$

$$-2m^4 - 2m^3n + 9m^2n^2 + mn^3 - n^4$$

2) $\left(\frac{1}{4}xy - z\right)(25y^{10}z - 1)$

$$25y^{10}z - 1$$

3) $(2a^2bc^3 + 10a^8c^9 - 1)$

$$-10a^8c^9 - 1$$

4) $(-3p^2 + 2p^6q^6 - 4p^6q^4 - 18p^6q^2)$

$$-2p^6q^6 - 4p^6q^4 - 18p^6q^2$$

5) $(st^6u^3 - 5s^4tu + 2u)(-2st^6u^2 + 3s^4t - 4)$

$$-2s^2t^{12}u^5 + 13s^5t^7u^3 - 15s^8t^2u - 8st^6u^3 + 26s^4tu - 8u$$

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