

Name : _____

Multiplying Polynomials

Multi-variable: S2

Multiply the polynomials.

1) $(-3g^2h - 6)(-4gh^3 - g^5h^5 + 2g^3h^4)$

2) $\left(-21s^2 - 14st - \frac{7}{2}t^2\right)\left(\frac{6}{7}s - \frac{4}{7}t\right)$

3) $(14p^2q^4 + 9q + 7pqr^2$

$+ 3ac^2 - 9)$

5) $(-c^4d^4 - c^3d^3)(-1 - 8c$

$2m^4n^5 - n - mn^6)$

7) $\left(-\frac{1}{2}xy + wy + \frac{5}{2}x + 5w\right)(-6w^6 + 3w^5x)$

8) $(u^3 + u + 3v^5 - v)(3u^3 - 9v^5)$

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