

Name : _____

Subtracting Polynomials

Multi-variable: L2S2

Subtract the polynomials.

$$1) \left(xy^6 + 6wxy^2 + \frac{1}{6}z + \frac{1}{5}x^4 \right) - \left(-\frac{1}{2}x^2 - 3z - \frac{4}{5}x^4 \right) \quad 2) \left(-2 + \frac{5}{9}t - 8s + rs^5t \right) - \left(\frac{8}{9}r + 1 + s + \frac{4}{9}rs^5t + s^3t \right)$$

$$3) \left(\frac{1}{3}p^5q + \frac{3}{7} + \frac{2}{3}p^3q^2 \right) -$$

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$$5) \left(gh - g + 6 - \frac{1}{4}g^2 - h \right) -$$

$$vw + uv) - (7uv - 5v - v^4)$$

$$:^6 - \frac{6}{7}) - (-c^6 - 4d^2 - 2d - 5)$$

$$7) \left(\frac{5}{8}m^3 - \frac{7}{8} - \frac{2}{5}mn + \frac{1}{8}n \right) - \left(\frac{3}{8} - \frac{2}{5}mn + \frac{1}{8}n + m^3 \right) \quad 8) \left(-\frac{1}{9}a^2b^3 + a^2bc - 4 \right) - \left(\frac{3}{5}c^4 - 4 + \frac{2}{7}a^2b^3 - 8a^2bc \right)$$