

Name : _____

Subtracting Polynomials

Single-variable: L2S3

Arrange and subtract the polynomials.

1) $\left(\frac{1}{4}g^6 + g^2 + g^5 + \frac{1}{6}g^4\right) - \left(-\frac{3}{4}g^6 - \frac{1}{3}g - g^3 - \frac{5}{6}g^4\right)$ 2) $\left(-\frac{2}{7}k^2 + \frac{1}{2}k^3 + \frac{4}{7}\right) - \left(-\frac{1}{2}k^3 - \frac{2}{9}k + \frac{1}{7} + \frac{6}{7}k^2\right)$

3) $(-2t - t^3 - 3t^4) - \left(\frac{3}{8}t^2 - z^3\right) - \left(7z^5 - \frac{1}{6}z^4 - z^3\right)$

5) $\left(8q - \frac{2}{5}q^3 + \frac{4}{5}q^5\right) - \left(q^2 - (u^4 + u - 5 + 7u^3 - 6u^2)\right)$

7) $\left(-5 - y^4 + \frac{1}{3}y^5 - 7y^6\right) - \left(-2y^5 - y^4 - 7y^6 - \frac{2}{3}y^3 - 3\right)$ 8) $\left(\frac{7}{9}a^6 + \frac{5}{6}a^3 + \frac{5}{7}a^2 + 2a^5 + a^4\right) - \left(\frac{2}{7}a^5 + a^4 + a^6\right)$

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