

Name : _____

Subtracting Polynomials

Single-variable: L2S2

Subtract the polynomials.

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

3) $(11z^2 + 9z^4 + 3) - \left(\frac{3}{8}z\right)$

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5) $(-6 + v^2 - v^5 + 8v + v^3)$

$0 + 7c^2) - \left(\frac{1}{3}c^4 + 12c^5 + 7c^2\right)$

$-\frac{1}{6}r^2 - \frac{2}{5}r^6 - \frac{8}{9}r^3)$

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

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