

Name : \_\_\_\_\_

## Subtracting Polynomials

Single-variable: L2S3

Subtract the polynomials.

1)  $\left(7a^6 - a^2 + \frac{5}{6} - \frac{1}{6}a^4 - a\right) - \left(\frac{1}{6} - a^2 + 2a^4 - a + a^6\right)$       2)  $(-12s^3 - 3s^2 - 8s^4 - s) - (4s^3 + s^4 + 6s^2 + 17s)$

3)  $\left(-10 - \frac{4}{5}m^2 - 2m\right) - \left(-\frac{5}{6}h^3 - 1 + \frac{3}{5}h - 2h^2 - \frac{8}{9}h^5\right)$

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

7)  $\left(\frac{1}{9}y^6 + \frac{2}{9}y^3 + \frac{7}{9}y^4 + \frac{5}{9}y + \frac{8}{9}y^2\right) - (3y^2 + y^6 + 2y)$       8)  $\left(21n + \frac{1}{2}n^6 - 2n^2 - \frac{5}{9}\right) - \left(\frac{1}{2}n^6 - 2n^2 + 21n\right)$

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