

Name : _____

Subtracting Polynomials

Single-variable: L2S1

Subtract the polynomials.

1) $\left(\frac{4}{5}x^3 - \frac{3}{5}x^2 - \frac{1}{5}x\right) - \left(\frac{1}{5}x^3 - \frac{4}{5}x + \frac{2}{5}x^2\right)$

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

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

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5) $\left(\frac{2}{9}p^5 + \frac{1}{3}p + \frac{3}{7}p^2 + \frac{3}{5}\right)$

$\left(\frac{1}{4}s^5 - s - \frac{5}{7} - 7s^2\right)$

$-15) - \left(-6u^4 - \frac{3}{4}u^3 - 3u^2\right)$

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

8) $(10t^4 - 3t^3 - t^2 + 7t^5 + 6t) - (5t^5 + 8t + 9t^3 - 3t^4)$