

Name : _____

Subtracting Polynomials

Single-variable: L2S4

Arrange and subtract the polynomials.

1) $(u^2 + 2u + u^4 - u^3 + 5u^5) - (-u^3 + u^4 + 5u^5 + u^2)$

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

3) $\left(\frac{3}{5}w^2 - 1 - w\right) - \left(\frac{1}{5} - \frac{1}{5}\right)$

$+ \frac{3}{4} - \left(\frac{1}{4} + 4b^4 + \frac{1}{8}b^3\right)$

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

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

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

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

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