Subtracting polynomials

Subtract the polynomials.

1) $(3bc + a - 5c - 4ac + 6b) - (2a + 3c - 6b + ac)$

2) $(5n^3) - (1 - 2n^3)$

3) $(3g^2 + h^2 - 2g^2h^2) - (8g^2h^2)$

4) $(k^2 - 5k - 1) - (7 + 3k)$

5) $(6mn - 3n - m - 5) - (2m - 9n)$

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

7) $(-5 - 2z + 4z^2) - (-2z - z^3 + 4z^2 - 5)$

8) $(3u^3v^3 + v^4 - uv + 3u^4) - (3u^4 - u^3v^3 + v^4)$

Subtracting polynomials

Name _____

Score _____

SP:13

Subtract the polynomials.

1) $(3bc + a - 5c - 4ac + 6b) - (2a + 3c - 6b + ac)$

$3bc - 5ac - a + 12b - 8c$

2) $(5n^3) - (1 - 2n^3)$

$7n^3 - 1$

3) $(3g^2 + h^2 - 2g^2h^2) - (8g^2h^2)$

$-10g^2h^2 + 3g^2 + h^2$

4) $(k^2 - 5k - 1) - (7 + 3k)$

$k^2 - 8k - 8$

5) $(6mn - 3n - m - 5) - (2m - 9n)$

$6mn - 3m + 6n - 5$

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

$-t^5 - 3t^3 - 7t^2 - 1$

7) $(-5 - 2z + 4z^2) - (-2z - z^3 + 4z^2 - 5)$

z^3

8) $(3u^3v^3 + v^4 - uv + 3u^4) - (3u^4 - u^3v^3 + v^4)$

$4u^3v^3 - uv$