Subtracting Binomials

Name _____

Score _____

SP:10

Subtract the binomials.

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

2) $(3u - 4v + w) - (8w - u - 4v)$

3) $(-3k^5 + 10 - 6k) - (4 + k - 2k^4)$

4) $(2x^2y^2 - 4x - 7y) - (-5x + x^2y^2 - y)$

5) $(6n + 4mn + m) - (-3n - mn - 7m)$

6) $(-4t - 5t^4 + 6) - (6 + t^4 - 4t)$

7) $(8g^3 - h^3 + 2) - (9 - 2h^3 - g^3)$

8) $(5d^3 - 2d - 6d^2) - (6d + d^3 + 4d^2)$

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Answer key

Subtract the binomials.

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

$7b^2 + 8b - 3$

2) $(3u - 4v + w) - (8w - u - 4v)$

$4u - 7w$

3) $(-3k^5 + 10 - 6k) - (4 + k - 2k^4)$

$-3k^5 + 2k^4 - 7k + 6$

4) $(2x^2y^2 - 4x - 7y) - (-5x + x^2y^2 - y)$

$x^2y^2 + x - 6y$

5) $(6n + 4mn + m) - (-3n - mn - 7m)$

$5mn + 8m + 9n$

6) $(-4t - 5t^4 + 6) - (6 + t^4 - 4t)$

$-6t^4$

7) $(8g^3 - h^3 + 2) - (9 - 2h^3 - g^3)$

$9g^3 + h^3 - 7$

8) $(5d^3 - 2d - 6d^2) - (6d + d^3 + 4d^2)$

$4d^3 - 10d^2 - 8d$