

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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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### Combining Like Terms

1)  $-11(-7 - 13r)$

6)  $-14 - 7(12c + 6)$

2)  $4 - 14w - 5w$

7)  $-15(17 - 16p) + 12p$

3)  $16 - 5g + 2g$

8)  $-5g - 13 + 7g + 3$

4)  $12 + 5c + 8 - 2c$

9)  $14 - 11 - 19p + 4p$

5)  $10 - 3w + 6$

10)  $-4(13p + 14) - 12p$



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## Adding and Subtracting Polynomials

**Simplify each expression.**

1)  $(7 + b^2 + 5b^5) + (4b^5 - 2 - 9b^2) + (8 - 3b - 6b^2)$

6)  $(8x^4 - 6) + (2x^4 + 4 + 7x^2)$

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

7)  $(3g^2 - 9g^3) - (8g^3 + 2g^4 + 5g^2)$

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

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

4)  $(3 - 9g^5) - (6g^5 - 8)$

9)  $(3 - 4y^3 + 9y^4) - (7y^4 - 2) + (8y^3 - 6y^2)$

5)  $(8b^4 - 2 - 6b^2) + (b + 9b^2 - 4)$

10)  $(7y + 3y^4) + (8y + 5y^4 + 9)$

