

I'm not robot!

## Simplifying Polynomial Expressions

Simplify the following polynomial expressions.

1)  $8x^3 + 9x - 4x^3 + x$

2)  $2y^2 + 3y - 5y^2 + y^3$

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3)  $t^4 - 11 - 2t^4$

4)  $u^4 - u^2(3u^2 - 2)$

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5)  $-6v^4 - 16 + 10v^4$

6)  $7a^2 + 13 - 8a^2$

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7)  $-18 + 9b^2 + 6$

8)  $6p^5 + 7p - 5p^5 - 9p$

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Teaching Resources @ [www.tutoringhour.com](http://www.tutoringhour.com)

### Evaluate Expressions

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

Evaluate the following expressions for  $x = 4$

$x + 16 =$        $2x - 20 =$        $10 + x^2 =$

$-x - 12 =$        $x - 2x =$        $x^3 - 20 =$

Evaluate the following expressions for  $h = 3$

$3h + 9 =$        $19 + h^2 =$        $h + 14 =$

$-2h + 14 =$        $2h + 15 =$        $h^0 + 12 =$

Evaluate the following expressions for  $y = 10$

$4y - 8 =$        $22 - y^2 =$        $y + 10 =$

$-y + 25 =$        $y - 15 =$        $y^2 - 12 =$

Evaluate the following expressions for  $t = -5$

$2t + 6 =$        $22 + t^2 =$        $t - 10 =$

$-4t + 18 =$        $2t - 10 =$        $t^3 + 75 =$

Evaluate the following expressions for  $v = 0.5$

$v^1 + 4 =$        $3v + 6 =$        $12 + v^0 =$

$v + 17 =$        $-2v + 10 =$        $v + 5 =$

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