Simplifying Expressions

Name: _____ Score: _____

Simplify the following expressions.

$2y + 5y - 3y^2 - y$ $5g + 4g^2 - 3g^2 - 2g^2$ $5 - x^2 + 2x^2 - x$

$2b^2 + y - 5y + b^2$ $2 - mn - 2 - 2mn$ $5x^2 + x + 3x - 2x$

$a - 2ab + 3 - ab$ $c^2 + 2 + c - 2c^2$ $-3d^2 - 2d^2 + d + 4d$

$t + 3t^2 - t$ $3x^2 - 7 + 6$ $5 + 3x^2 - x^2$

$3k^2 - k + 3k - k^2$ $r^2 - 5r + 5r + r^2$ $5 + h + 2h^2 - h^2$

$3x - 4 + x + 3x^2$ $2b + 3b^2 - 4b^2 + 4b$ $3y^3 + 4y^2 - y^3 - y^2$

$-d - 5 + 2d - 9$ $v^3 + 3v + v^2 - 2v$ $2 + 3av + 4 - 3a$

Answers

Simplify the following expressions.

$2y + 5y - 3y^2 - y$
$-3y^2 + 6y$

$5g + 4g^2 - 3g^2 - 2g^2$
$-g^2 + 5g$

$5 - x^2 + 2x^2 - x$
$x^2 - x + 5$

$2b^2 + y - 5y + b^2$
$3b^2 - 4y$

$2 - mn - 2 - 2mn$
$-3mn$

$5x^2 + x + 3x - 2x$
$5x^2 + 2x$

$a - 2ab + 3 - ab$
$-3ab + a + 3$

$c^2 + 2 + c - 2c^2$
$-c^2 + c + 2$

$-3d^2 - 2d^2 + d + 4d$
$-5d^2 + 5d$

$t + 3t^2 - t$
$3t^2$

$3x^2 - 7 + 6$
$3x^2 - 1$

$5 + 3x^2 - x^2$
$2x^2 + 5$

$3k^2 - k + 3k - k^2$
$2k^2 + 2k$

$r^2 - 5r + 5r + r^2$
$2r^2$

$5 + h + 2h^2 - h^2$
$h^2 + h + 5$

$3x - 4 + x + 3x^2$
$3x^2 + 4x - 4$

$2b + 3b^2 - 4b^2 + 4b$
$-b^2 + 6b$

$3y^3 + 4y^2 - y^3 - y^2$
$2y^3 + 3y^2$

$-d - 5 + 2d - 9$
$d - 14$

$v^3 + 3v + v^2 - 2v$
$v^3 + v^2 + v$

$2 + 3av + 4 - 3a$
$3av - 3a + 6$