

Laws of Exponents Worksheets

Power Rule

Simplify.

$$(2x^2)^5 =$$

$$(3x^2y)^3 =$$

$$(3x^2y^2)^2 =$$

$$(2x^2y^3)^3 =$$

$$(3x^2)^3 =$$

$$(2x^2y^4)^3 =$$

$$(4xy^3)^2 =$$

$$(2x^6y^2)^4 =$$

$$(3x^4)^0 =$$

$$(2x^0)^5 =$$

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Power Rule

Simplify.

$$(2x^2)^5 = 4x^{10}$$

$$(3x^2y)^3 = 27x^6y^3$$

$$(3x^2y^2)^2 = 9x^4y^4$$

$$(2x^2y^3)^3 = 8x^6y^9$$

$$(3x^2)^3 = 27x^6$$

$$(2x^2y^4)^3 = 8x^6y^{12}$$

$$(4xy^3)^2 = 16x^2y^6$$

$$(2x^6y^2)^4 = 16x^{24}y^8$$

$$(3x^4)^0 = 1$$

$$(2x^0)^5 = 32$$