

Laws of Exponents Worksheets

Power Rule

Simplify.

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

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

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

$$(x^2 y^4)^5 =$$

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

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

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

$$(xy^6)^4 =$$

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

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

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Power Rule

Simplify.

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

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

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

$$(x^2 y^4)^5 = x^{10} y^{20}$$

$$(x^2)^6 = x^{12}$$

$$(xy^4)^3 = x^3 y^{12}$$

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

$$(xy^6)^4 = x^4 y^{24}$$

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

$$(x^0)^5 = 1$$