



Derivatives using Power Rule

Find the derivatives using power rule:

$y = 10x^3$

$y = \frac{1}{2}x^{-2}$

$y = \frac{1}{2\sqrt{x}}$

$y = 3x^{\frac{-1}{15}}$

$y = 8x^6 + 2x^{17}$

$y = \sqrt[5]{x}$

$y = x^{\frac{1}{31}} + x^{\frac{-1}{7}}$

$y = 2x^{12} + 6x^7 + x^4$

$y = \frac{5}{3}x^3 - \frac{7}{6}x^6 + \frac{6}{4}x^8$

$y = \frac{1}{2}x^{\frac{3}{2}} - \frac{22}{7}x^{\frac{-5}{2}} + x^{\frac{3}{7}}$

NAME: _____

Intersecting & Parallel Lines

What line is parallel to BC?

What lines are perpendicular to DE?

Angles

What line is parallel to BC?

What lines are perpendicular to DE?

INTRO DRAWING ACTIVITIES SHADING WORKSHEET

SHAPES TO FORMS

SHADING TO CREATE ILLUSION OF FORM

1. Circle

2. Cone

3. Cylinder

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