
Common Calculus Mistakes

Example: Power Rule

The Goal

Find

$$\frac{d}{dx}x^6$$

The Mistake

Find the mistake:

$$\frac{d}{dx}x^6 = 6x$$

Need a hint? Look carefully at the red part:

$$\frac{d}{dx}x^6 = 6x$$

The Correction

$$\frac{d}{dx}x^6 = 6x^5$$

An Explanation

Take care even when using just the power rule - in this case the exponent was forgotten!