

Power Rule Practice:

Use the Power Rule to find the Derivative of Each

1) $y = 4x^7$

2) $f(x) = 3x^8 + 2x + 1$

3) $y = 2x^3 + 4x^2 - 7x + 3$

4) $f(x) = 1/3 (x^5 + 6x^4 - 10)$

5) $f(x) = (2x^2 + 1)^2$

6) $y = (6x^4 - 2x)^5$

Trig Derivatives You Need to Know:

Original Function $f(x)$	Derivative $f'(x)$
Sin x	Cos x
Cos x	-Sin x
Tan x	Sec ² x