The Power Rule
ex. 1 State the derivative of:
a) 10x
10
b)
$$6x^3 - 4x^2 + 5x$$

 $19x^2 - 8x + 5$
c) 27
 0
d) $\frac{1}{x^3}$
 x^{-3}
 $-3x^{-4}$ or $-\frac{3}{x^4}$
e) $5x^3 + x^2$
 $5x^3 + x$
 $10x^2 + 1$ or $f'(x) = 5x^2 + x$
 $10x^2 + 1$
 $\frac{1}{4}x(\frac{5x^3 + x^2}{x}) = (0x + 1)$