Quiz 7

Name: Answer Key

1) Find y' if $y = f(x)\,g(x)$

Product Rule

$$y' = f(x)\,g'(x) + f'(x)\,g(x)$$

2) Find y' if $y = \dfrac{f(x)}{g(x)}$

Quotient Rule

$$y' = \frac{g(x)\,f'(x) - g'(x)\,f(x)}{[g(x)]^2}$$

3) Find y' if $y = f(g(x))$

Chain Rule

$$y' = f'(g(x))\,g'(x)$$

4) Find y' if $y = f(g(h(x)))$

Chain Rule

$$y' = f'(g(h(x)))\,g'(h(x))\,h'(x)$$

COMET 3-0235 — 50 SHEETS — 5 SQUARES
3-0236 — 100 SHEETS — 5 SQUARES
3-0237 — 200 SHEETS — 5 SQUARES
3-0137 — 200 SHEETS — FILLER