

Answers

$$3) y' = 24x^2 + 2$$

$$11) y' = 5(5x + 2x^3)^4 (5 + 6x^2)$$

$$17) y' = 6 \sin^5 x \cos x$$

$$18) y' = \cos x (20x^4) + 4x^5 (-\sin x) \quad \text{Clean-up}$$

$$19) y' = 2x^2 \cos x + \cancel{4x^5} (\sin x) (4x) \quad \text{Clean-up}$$

$$22) y' = 4 \sin^3 (3x^2) \cos (3x^2) (6x) \quad \text{Clean-up}$$

$$23) y' = x^5 (2 \cos (2x^3))' (-\sin(2x^3)) (6x^2) - (\cos (2x^3))^2 (5x^4)$$

x^{10}

Clean-up