

$$\frac{d(\cos)}{dx}$$

$$\frac{d}{dx}[x^2y] =$$

$$\frac{d}{dx}[xy^2] =$$

$$\frac{d}{dx}[x^3+y^2-3xy^2] =$$

$$\frac{-y \ln y}{2y^2+x}$$

$$\frac{dy}{dx} =$$

$$2xy^2 - x^3y = 0$$

$$\frac{dy}{dx} = 4x^2 - 2xy + 3y^2 = 8$$

$$y = 4x - 7$$

7m6

$$3x^2y^2 \frac{dy}{dx} + 2xy^3$$

$$\frac{1}{x}$$

$$\frac{d(y^3)}{dx} =$$

$$\frac{dy}{dx} = 2x - y + y^2 = 0$$

$$\frac{2y^3}{3-x}$$

$$\frac{d}{dx}[x^2+y^3] =$$

$$y = 18 - 4x$$

$$\frac{dv}{u} +$$

$$x^2 \frac{dy}{dx} + 2xy$$

$$20x^3$$

$$3t^2$$

$$\frac{d}{dx}[xy] =$$

$$2xy \frac{dy}{dx} + y^2$$

$$x^2 + y^2 - 3y - 2 = 0$$

An equation of the tangent at (2,1) is

$$\frac{d(t^3)}{dt} =$$

$$\frac{d(m^7)}{dm} =$$

$$\frac{d(x^3)}{dy} =$$

$$\frac{d(\sin \theta)}{d\theta} =$$

$$2x + 3y^2 \frac{dy}{dx}$$

$$\frac{d}{dx}[x^2 + y^2 - xy] =$$

$$\frac{2y^2 - 3x^2y}{x^3 - 4xy}$$

$$3x^2 + (2y - 6xy) \frac{dy}{dx} - 3y^2$$

$$2x + \frac{dy}{dx}(2y - x) - y$$

$$2x + \frac{dy}{dx}(2y + x) + y$$

$$\frac{d(\theta)}{d\theta} =$$

$$\frac{d(x^3)}{dx} =$$

$$\frac{d(5x^4)}{dx} =$$

$$\frac{d}{dx}[x^3y^2] =$$

$$\frac{d}{dx}[x^2y^3] =$$

$$\frac{dy}{dx} =$$

$$y^4 = x^2 - 6x + 2$$

$$x - 8 = y$$

$$\frac{4x - y}{x - 3y}$$

$$\frac{3y^2 dy}{dx}$$

$$\frac{3x^2 dx}{dy}$$

$$2x^2 - xy + y^2 = 28$$

An equation of the tangent at (3, 5) is

$$\frac{d\theta}{dx} \cos \theta$$

$$-\sin \theta \frac{d\theta}{dx}$$

An equation of the tangent at (4, 2) is  
 $x^2 + 4xy - 3y^2 - 36 = 0$

$$\frac{2y+1}{2(x-2)}$$

$$\frac{2}{1-2y}$$

$$\frac{dp}{dx} = x^2 + y^2 = 2$$

$$\frac{dy}{dx} x$$

$$2x^3 \frac{dy}{dx} + 3x^2 y^2$$