9A Differentiating Sine & Cosine

Small angle notes

Differentiating Sine from First Principles

Differentiating Sin(kx) from First Principles

1. Find
$$\frac{dy}{dx}$$
 given that:
a)

y = sin2x

b)

y = 3sin2x

c)

y = 3cosx + 2sin4x

2. A curve has equation:

$$y = \frac{1}{2}x - \cos 2x$$

Find the stationary points on the curve in the interval $0 \le x \le \pi$.