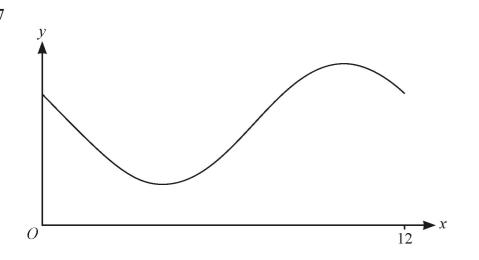
(ii)



The diagram shows the curve with equation $y = 5 + 3\cos(30x + 60)^{\circ}$, for $0 \le x \le 12$.

Determine the value of x for which this greatest value of y occurs.

[1]

[3]

[5]

(a) (i) State the greatest value of y for points on the curve.

There are two points on the curve for which the value of y is 7.

(b) Determine the values of x at these two points.