**Parametric Differentiation**

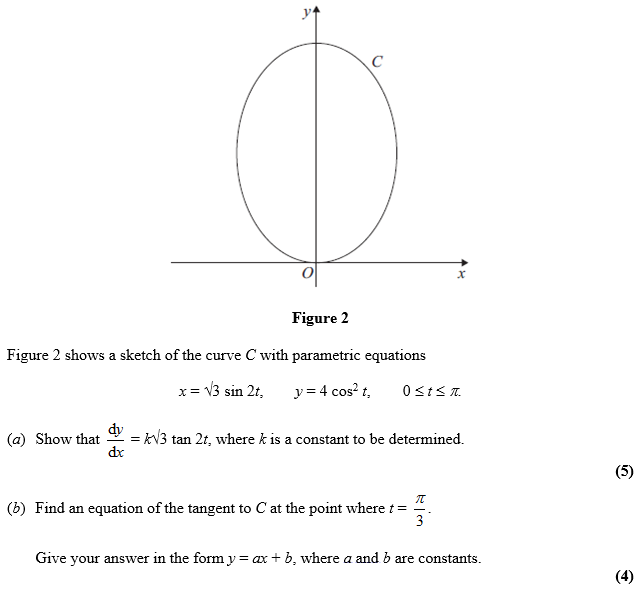
Recall from the previous chapter that parametric equations are when we define each of and (and possibly ) in terms of some separate parameter, e.g. .

**If and are given as functions of a parameter , then**

1. Find the gradient at the point where , on the curve given parametrically by
2. Find the equation of the normal at the point where , to the curve with parametric equations

**Test Your Understanding**

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