**The Quotient Rule**

**Just as we use the ‘product rule’ to differentiate a ‘product’, we use the ‘quotient rule’ to differentiate a ‘quotient’ (i.e. division).**

**The quotient rule:**

**If then**

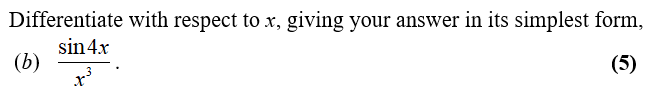
**Memorisation Tips**: “Bottoms first!” The denominator () is the first term seen in the new denominator and numerator. The denominator gets squared. Note that in the numerator, we have instead of the seen in the Product Rule.

**1. If , find**

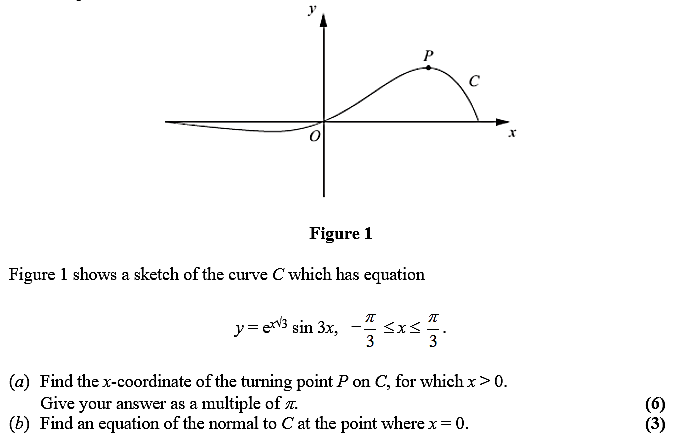
**2. Find the stationary point of ,**

**Test Your Understanding**

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