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| **Literacy**  **Gradient, differentiation, calculus, polynomial** | **Research**  Research the rivalry between Leibniz and Newton over who first discovered calculus. Write a couple of paragraphs about this. | **Memory** |
| **Skills**   1. **Differentiate the following using the standard results.**    1. **b. c.** 2. **Find the derivative of from first principles.** 3. **Find the tangent to the curve at the point .** 4. **Find the stationary points of the curve .** | | **Stretch**  Given that  and .  Find the derivatives of and . |

**Differentiation Homework**