### 23rd January

Find the minimum point of the graph 
\[ y = x^2 - 6x + 7 \]

The set of values for \( x \) that satisfies a quadratic inequality is 
\[ x < -0.5 \quad \text{or} \quad x > 1.5 \]

Write down a possible quadratic inequality.

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**Diagram:**

- **BCDE** is a square
- **DFE** and **ABE** are equilateral triangles

Find the length of **AF**

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**Diagram:**

Below is a regular hexagon

**Area = 100 cm²**

Find \( x \)