### 7th July

**Simplify fully**

\[
\frac{x^2 - 4}{2x^2 - x - 6}
\]

**A varies indirectly to \( C^3 \).**

When \( A = 4 \), \( C = 2 \).

Find \( A \) when \( C = 3 \). **Find \( C \) when \( A = 10 \).**

Describe fully the single transformation that maps shape A onto shape B.

The line passing through \((1, p)\) and \((5, 1)\) has a gradient of \( \frac{3}{4} \).

Find the value of \( p \).