8th August

Solve, giving your answers to one decimal place.

\[ x^2 - 6x - 20 = 0 \]

Enlarge shape A by scale factor \(-2\), using the point P as centre of enlargement.

Sophie selects a card at random, then replaces it. She then selects another.

What is the probability she selects one black card and one red card?

Find an expression for the third side.