

Find x

Expand

$$(3 + \sqrt{2})(2 - \sqrt{2})$$

Solve $2x^2 - x - 6 > 0$

Circle A has equation $x^2 + y^2 = 9$
is translated by the vector
 $\begin{pmatrix} 0 \\ 2 \end{pmatrix}$ to give Circle B

Sketch Circle B

Label the centre of B and the points
of intersection with the x-axis and
the y-axis.

