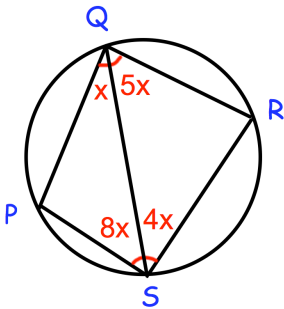**13th February**

Corbettm𝛂ths

Solve $\dfrac{2x-1}{4} = \dfrac{1}{2x-1}$

Rationalise the denominator of

$$\dfrac{33}{4 - \sqrt{5}}$$

Give your answer in the form $a + b\sqrt{5}$

Prove QS is a diameter.

Work out the matrix that transforms the unit square by a 90° clockwise rotation about *O.*

$$y = \dfrac{8x^5 + x^7}{2x}$$

Work out the value of $\dfrac{d^2 y}{d x^2}$ when x = 2