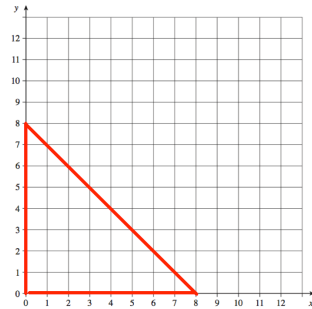


16th December

Corbettmaths

Solve

$$4x^2 - 33x + 8 = 0$$



The triangle OAB is drawn with
 $O(0, 0)$ $A(0, 8)$ and $B(8, 0)$

OAB is translated by the vector

$$\begin{pmatrix} -10 \\ 9 \end{pmatrix}$$

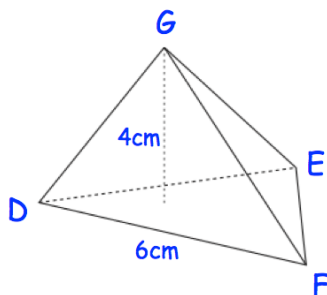
How many invariant points are there?

OAB is enlarged by scale factor 3 with
 centre $(0, 0)$

How many invariant points are there?

Factorise fully

$$y - 64y^3$$



DEFG is a triangle based pyramid.
 The base DEF is an equilateral triangle with
 side 6cm.
 The perpendicular height of the pyramid is
 4cm.
 Calculate the volume of the pyramid.