

6th October

Corbettmaths

Expand and simplify

$$(1 - 2\sqrt{3})^3$$

The transformation matrix $\begin{pmatrix} a & b \\ -a & 2b \end{pmatrix}$
maps the point $(8, -3)$ onto the
point $(-13, -106)$

Find the values of a and b

Angle θ is obtuse and $\sin\theta = \frac{3}{5}$

Work out the value of $\cos\theta$

Solve the simultaneous equations

$$4x + y + z = 26$$

$$3x - 3y - 2z = 1$$

$$6x - 5y - 3z = 8$$