



Work out

$$\left(\frac{8}{27}\right)^{-\frac{2}{3}}$$

Bag A contains $2x$ coins
 Bag B contains $7x$ coins

45 coins are taken from Bag B and put
 into Bag A

The ratio of coins in Bag A to Bag B is
 now 11:25

Work out the total number of coins.

Here is quadrilateral ABCD

ABCD is reflected in the line

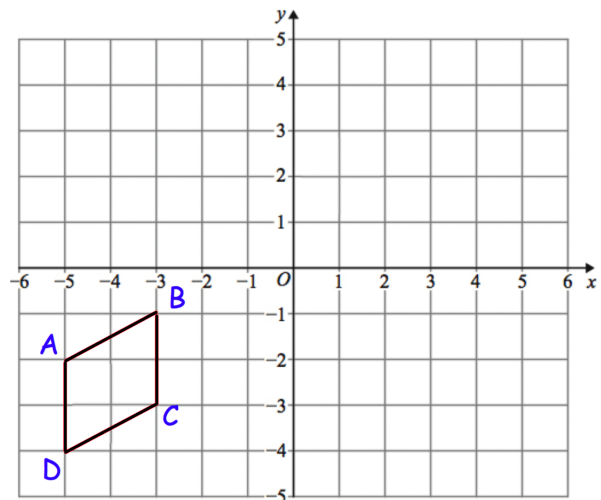
$$x = -1$$

followed by a reflection in the line

$$y = -x$$

followed by a rotation of 180° about
 $(-1, -1)$

Which of the vertices are invariant?

Make c the subject of

$$\frac{3}{abc} = 8 - \frac{7}{ab}$$