



Work out

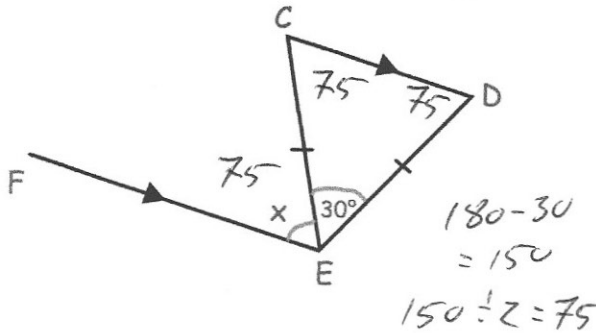
$$5\frac{3}{7} - 1\frac{1}{2}$$

$$\frac{38}{7} - \frac{3}{2}$$

$$\frac{76}{14} - \frac{21}{14}$$

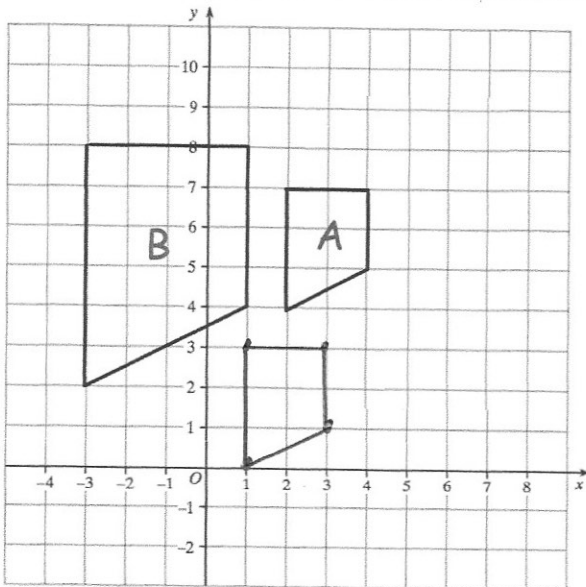
$$\frac{55}{14}$$

$$3\frac{13}{14}$$



Triangle CDE is isosceles.
 CD is parallel to FE.
 Angle CED = 30°
 Work out the size of angle x.

$$75^\circ$$



Describe fully the single transformation that maps shape A onto shape B.

Enlargement by scale factor 2
 from centre of enlargement
 (7, 6)

Translate shape A by $\begin{pmatrix} -1 \\ -4 \end{pmatrix}$

The triangular prism and cylinder have the same volume.

Work out the height of the triangular prism

$$\pi \times 3^2 \times 15 = 424.115\dots$$

$$\frac{1}{2}(8) \times x \times 20 = 424.115\dots$$

$$80x = 424.115\dots$$

