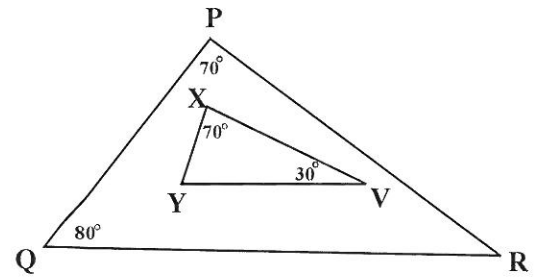


(1) (a) Bewys dat  $\triangle XYV \parallel \triangle PQR$

$$\hat{P} = 80^\circ \text{ [binne } \angle \text{e } \triangle \text{]}$$

$$\hat{R} = 30^\circ \text{ [ " ]}$$



In  $\triangle XYV$  en  $\triangle PQR$ :

$$* \hat{X} = \hat{P} \text{ [albei } 70^\circ \text{]}$$

$$* \hat{Y} = \hat{Q} \text{ [albei } 80^\circ \text{]}$$

$$* \hat{V} = \hat{R} \text{ [albei } 30^\circ \text{]}$$

$$\therefore \triangle XYV \parallel \triangle PQR \text{ [ } \angle \angle \angle \text{]}$$

$$(b) \therefore \frac{XY}{PQ} = \frac{YV}{QR} = \frac{XV}{PR} \text{ [ } \triangle XYV \parallel \triangle PQR \text{]}$$

(2) Bewys dat  $\triangle ABC \parallel \triangle FED$

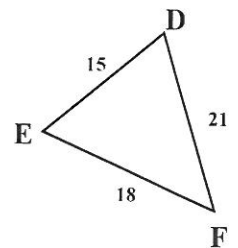
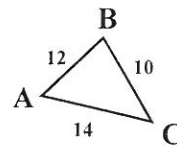
$$\frac{AB}{EF} = \frac{12}{18} = \frac{2}{3}$$

$$\frac{BC}{DE} = \frac{10}{15} = \frac{2}{3}$$

$$\frac{AC}{DF} = \frac{14}{21} = \frac{2}{3}$$

$$\therefore \frac{AB}{EF} = \frac{BC}{ED} = \frac{AC}{DF}$$

$$\therefore \triangle ABC \parallel \triangle FED \text{ [Sye eweredig]}$$



$$(b) \therefore \hat{A} = \hat{F} \text{ en } \hat{B} = \hat{E} \text{ en } \hat{C} = \hat{D}$$