

# 1-1.6-25

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**Question:** Three points  $P(h, k)$ ,  $Q(x_1, y_1)$  and  $R(x_2, y_2)$  lie on a line. Show that

$$\frac{h - x_1}{y_2 - y_1} = \frac{k - y_1}{x_2 - x_1}$$

**Solution:**

Fig. 0: FILL

Code for this plot

Codes/FILL
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