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$$\frac{AB}{BC} = \frac{6}{5}$$

$$QR = \frac{4}{3} BC$$

$$\therefore QR = BC'$$

Steps

- ① draw $\triangle ABC$ with $AB = AC = 6\text{ cm}$, $BC = 5\text{ cm}$
- ② draw $BC = 5\text{ cm}$
- ③ draw $\perp XY$ and begin. at B draw 4 arcs of equal radii to A.
- ④ join A_3C and draw $YC' \parallel A_3C$ intersect BX at C'
5. draw $QR = BC'$
6. with centres Q and R and radii 8 cm draw arcs intersecting each other at P
7. PA is required Δ

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