



Steps

- ① draw $\angle YBX = 90^\circ$
- ② with centre B and radii 8 cm and 6 cm respectively draw arcs intersecting Bx at c and By at A.
- ③ join AC to get $\triangle ABC$
- ④ draw $BX \perp AC$ intersecting it at D.
- ⑤ draw PO perpendicular bisector of BC intersecting it at O
- ⑥ with centre O and radius = OB or OC or OD draw a \odot
- ⑦ with centre A and $r_1 = AB$ draw an arc intersecting \odot at E
- ⑧ join AE
- ⑨ AB and AE are required tangents.