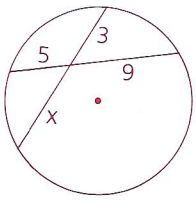
Part Three: Problem Sets

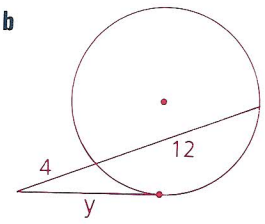
Problem Set A

1 Solve for x, y, and z.

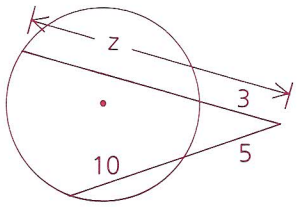
a



b



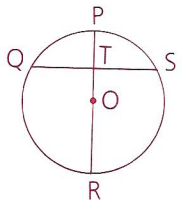
c



2 T is the midpoint of $\overline{QS}$, PT = 8, and QS = 40.

a Find TR.

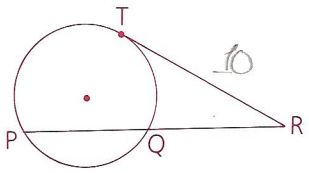
b Find the diameter of $\odot O$.



3 **a** If TR = 10 and QR = 5, find PR.

b If TR = 10 and QR = 4, find PQ.

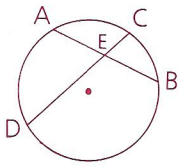
c If TR = 10 and PR = 50, find PQ.



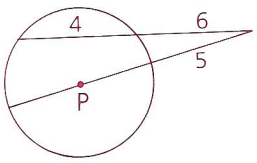
4 **a** If AE = 6.4, AB = 8.9, and CE = 1.6, find ED.

b If AE = 8, AB = 14, and ED = 16, find DC.

c If CE = 2, ED = 18, and $\overline{AE} \cong \overline{EB}$, find AB.



5 Find the radius of $\odot P$.



6 Given: AP = 3, PQ = 5, QB = 7, CP = 2, QD = 14

Find: PD and EQ