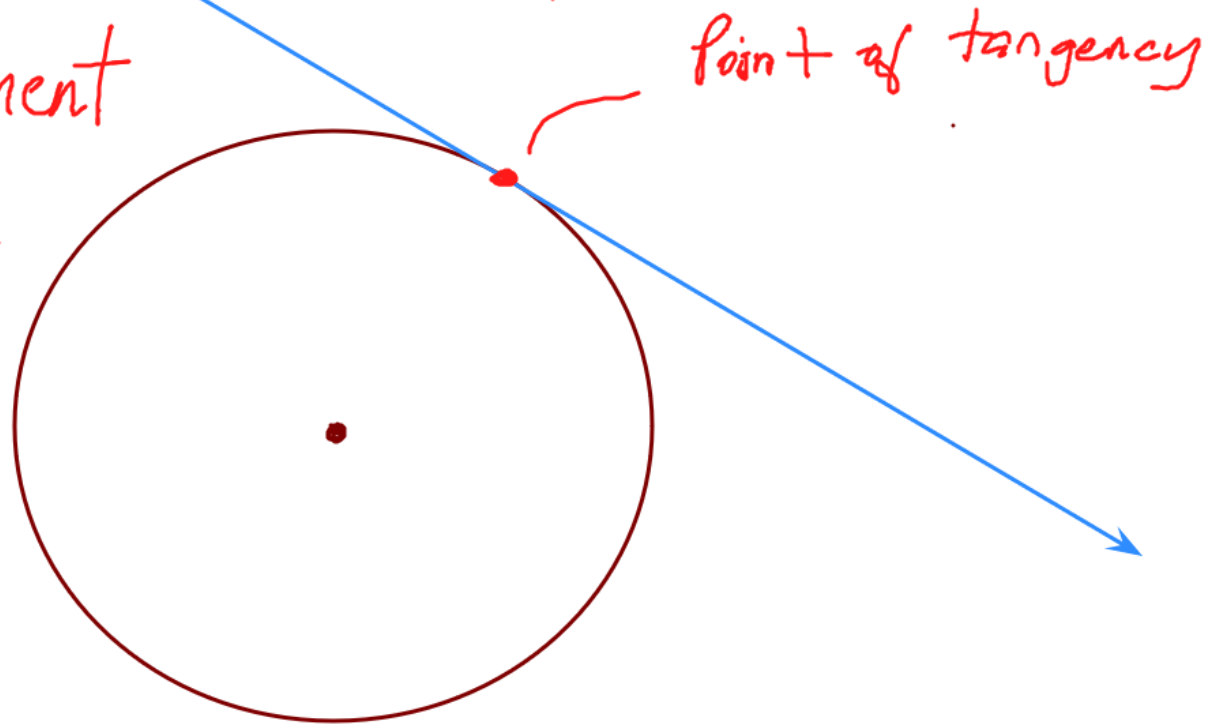


10.2 TANGENTS TO CIRCLES

Tangent line/segment
touches a circle
exactly once.



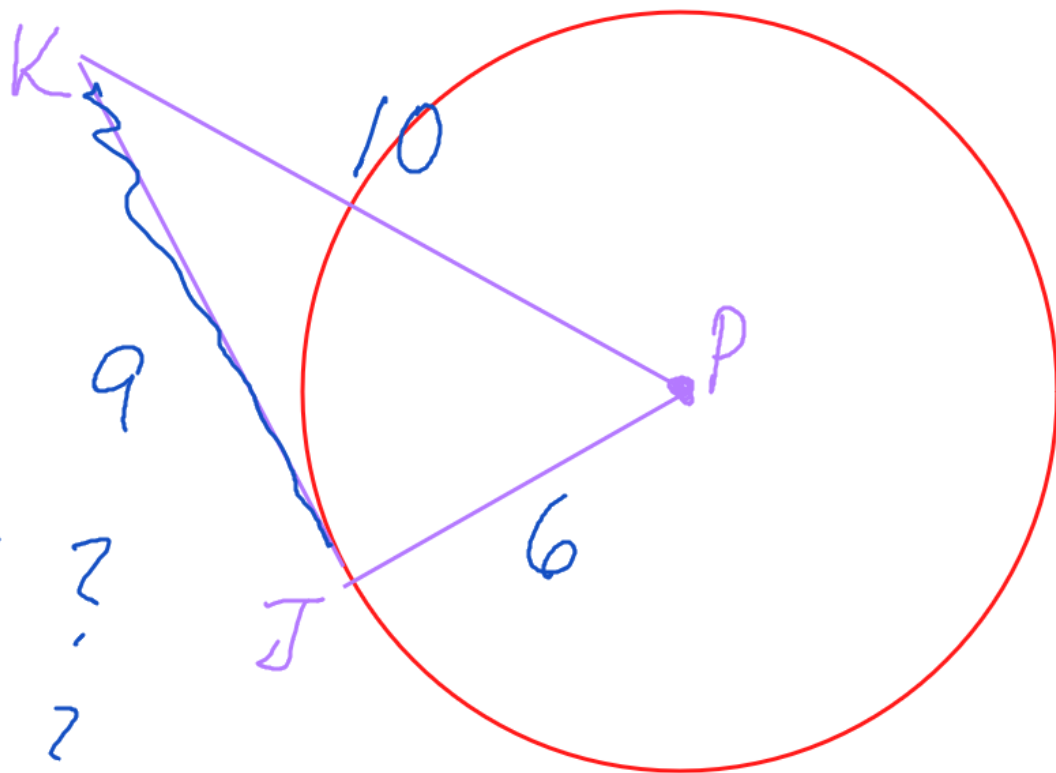
pg 428 Ex 2A/B

A. No

$$9^2 + 6^2 = 10^2 \quad ?$$

$$81 + 36 = 100 \quad ?$$

117 \neq 100



B.

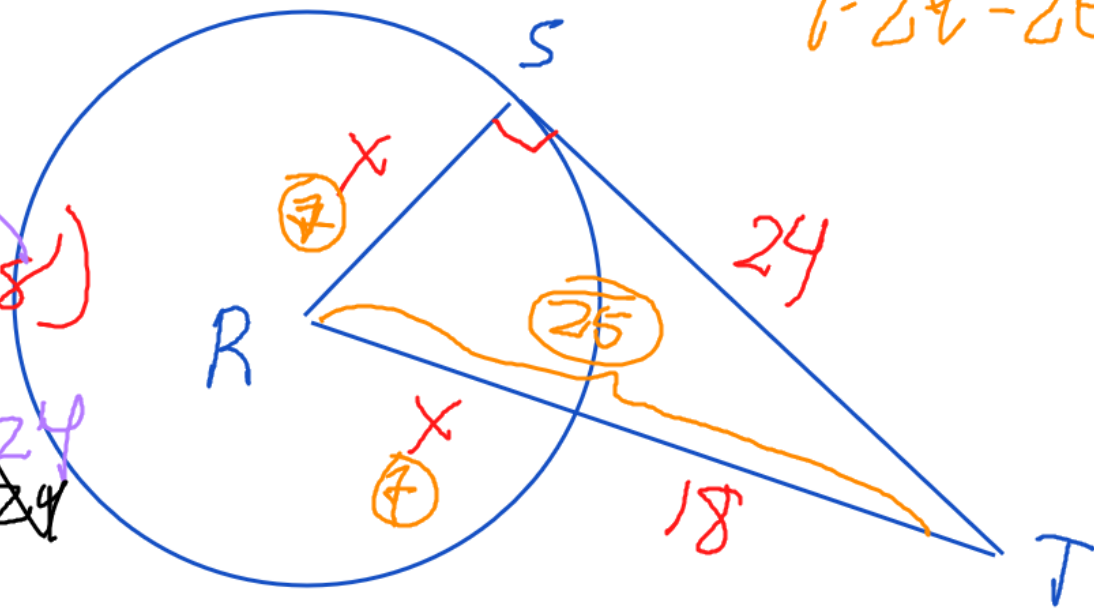
7-24-25

$$x^2 + 24^2 = (x+18)(x+18)$$

$$\cancel{x^2} + 576 = \cancel{x^2} + 36x + \cancel{324}$$

$$\frac{252}{36} = \frac{36x}{36}$$

$$x = 7$$



Try 1 pg 429

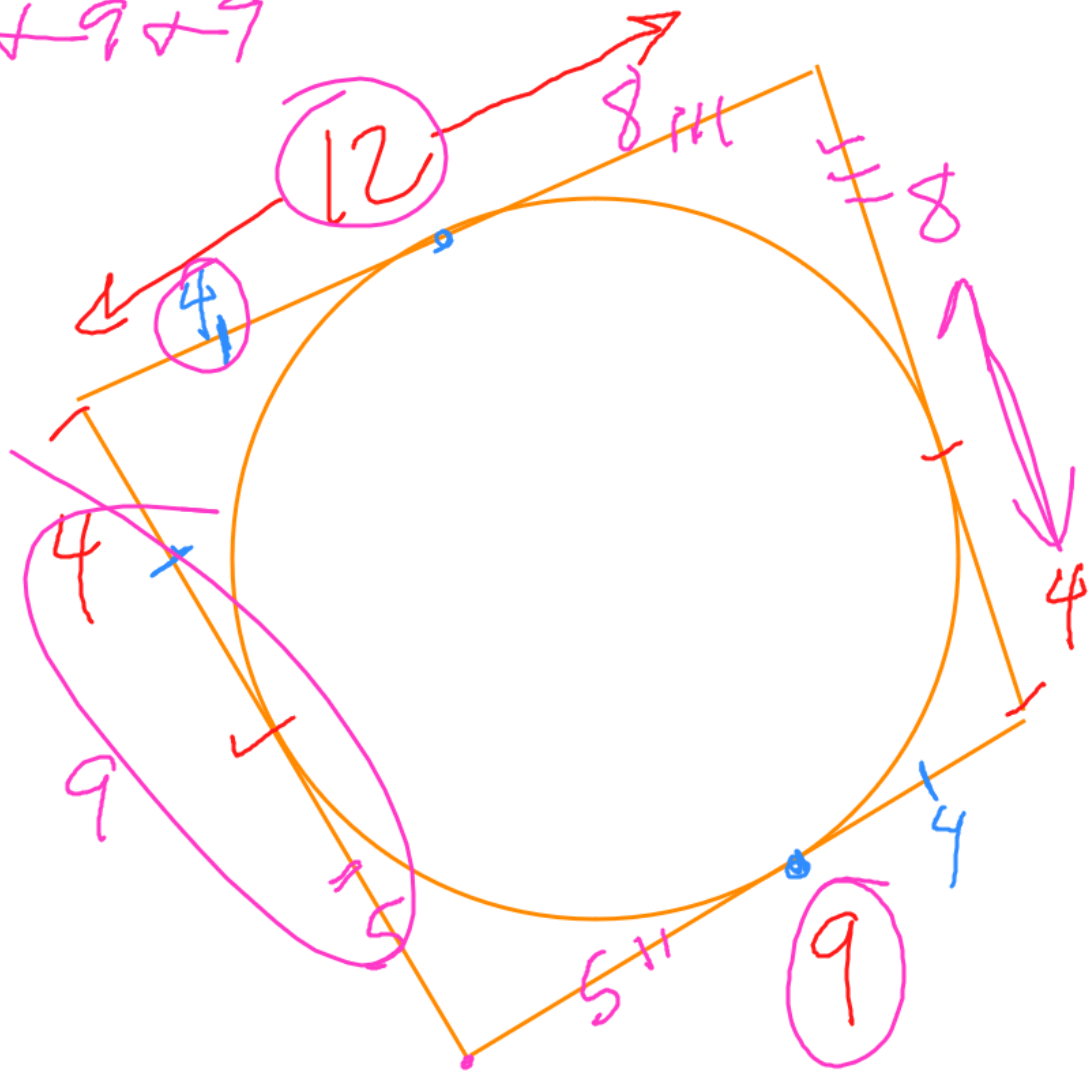
$$58 + 33 \stackrel{?}{=} 90$$

$$91 \neq 90$$

No - not a tangent!

$$P = 12 + 12 + 9 + 9$$

$$= 42$$



KITE?

$$\text{Sum} = 360^\circ$$

$$90 + 92 + 90 + x = 360$$

$$\begin{array}{r} 272 + x = 360 \\ -272 \quad -272 \\ \hline \end{array}$$

$$x = 88^\circ$$

