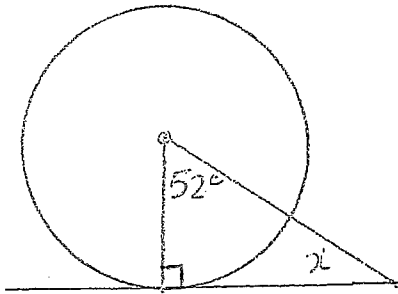
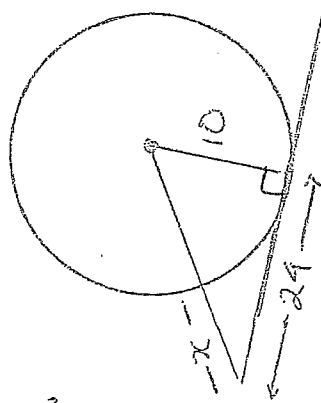


Tangent-Radius Property

Name: _____



$\angle x = 38^\circ$ (Δ 's in a Δ)

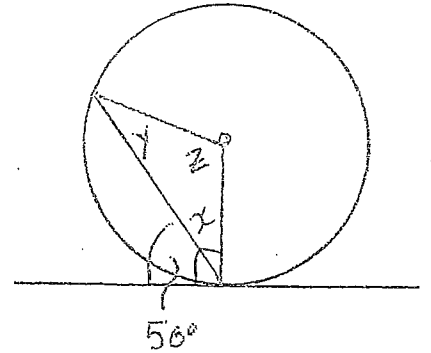


$$x^2 = 10^2 + 24^2$$

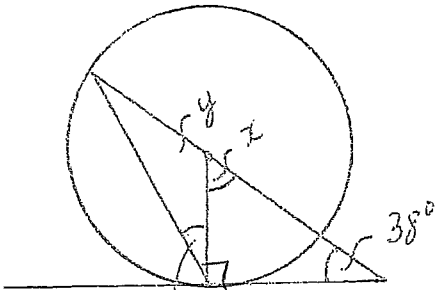
$$x^2 = 100 + 576$$

$$\sqrt{x^2} = \sqrt{676}$$

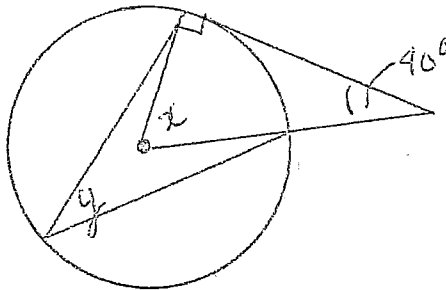
$$x = 26$$



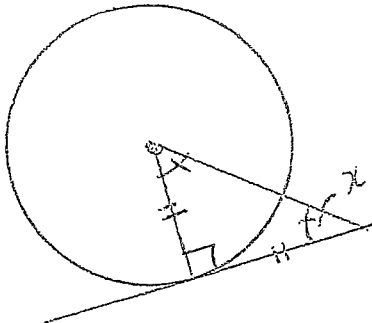
$\angle x = 40^\circ$ ($90^\circ - 50^\circ = 40^\circ$)
Tangent/radius property



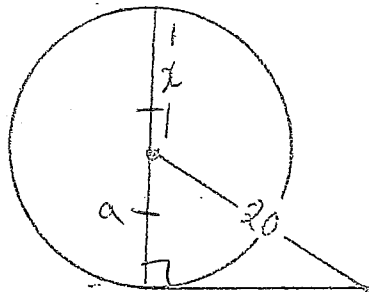
$\angle x = 52^\circ$ (Δ 's in Δ add to 180°)
 $\angle y = 128^\circ$ (Δ 's on a line)
 $\angle z = 26^\circ$ (isosceles Δ , $\frac{180 - 128}{2} = 26$)



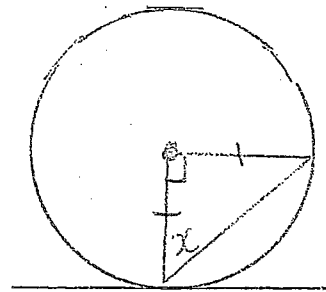
$\angle x = 50^\circ$ (Δ 's in a Δ)
 $\angle y = 25^\circ$ (inscribed is $\frac{1}{2}$ central Δ)



$\angle x = 45^\circ$ (isosceles Δ ,
 Δ 's opp = sides are =)



16
 $a^2 + 16^2 = 20^2$
 $a^2 + 256 = 400$
 $a^2 = 144$
 $a = 12$



$\angle x = 45^\circ$ (Δ 's opp = sides are =
 isosceles Δ)

$a = x = 12$

→ Same as page 15, use as review

PM 9

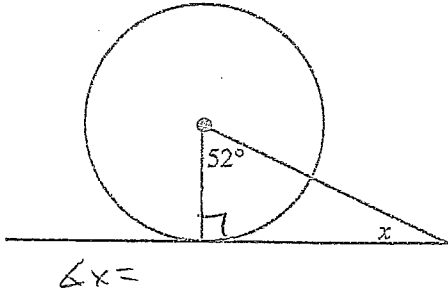
9.5 Tangent Properties Part 1 Worksheet

Name: _____

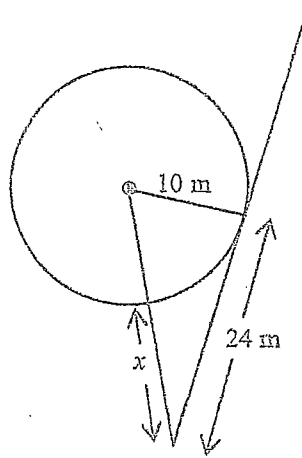
Block: _____

Solve for the indicated variables.

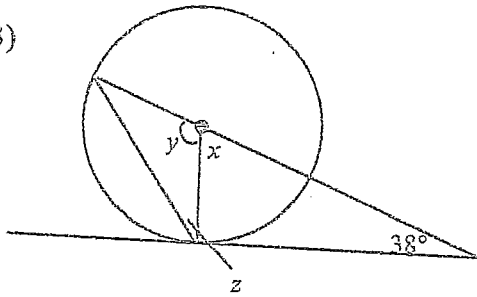
1)



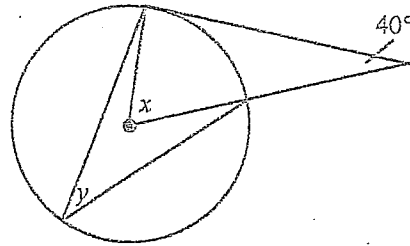
2)



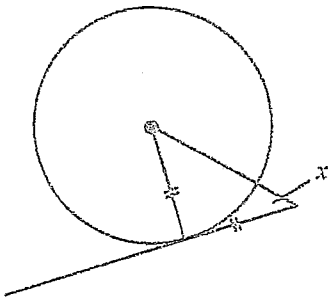
3)



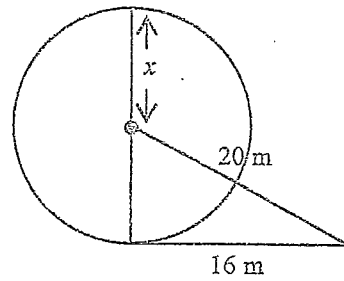
4)



5)



6)



7)

