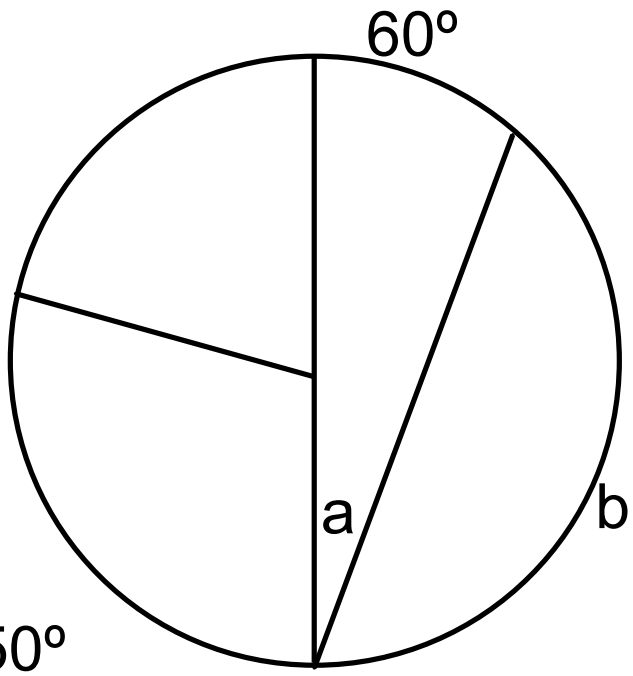
a = 30º

b = 120º

Sum of a & b



30 + 120 = 150º

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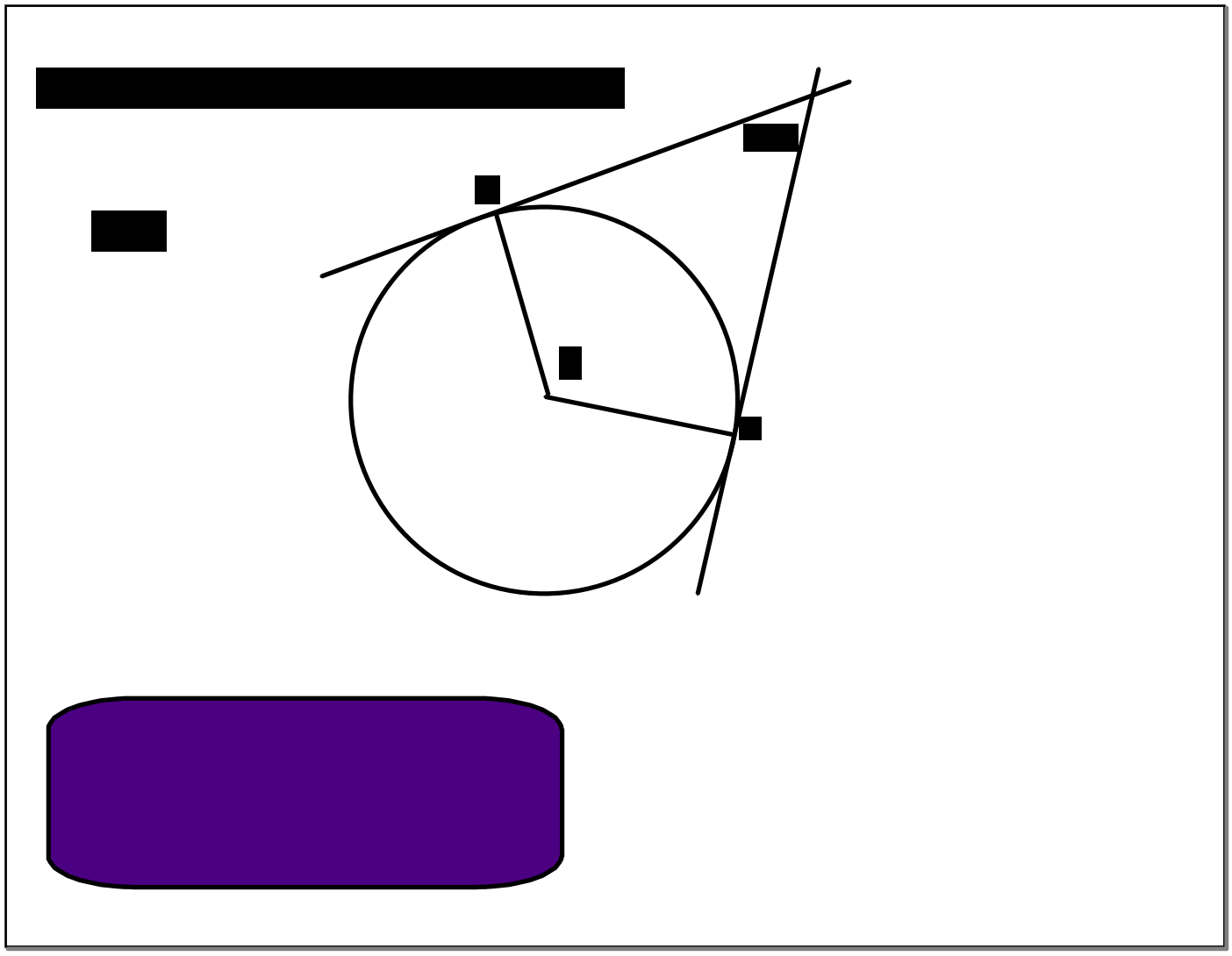

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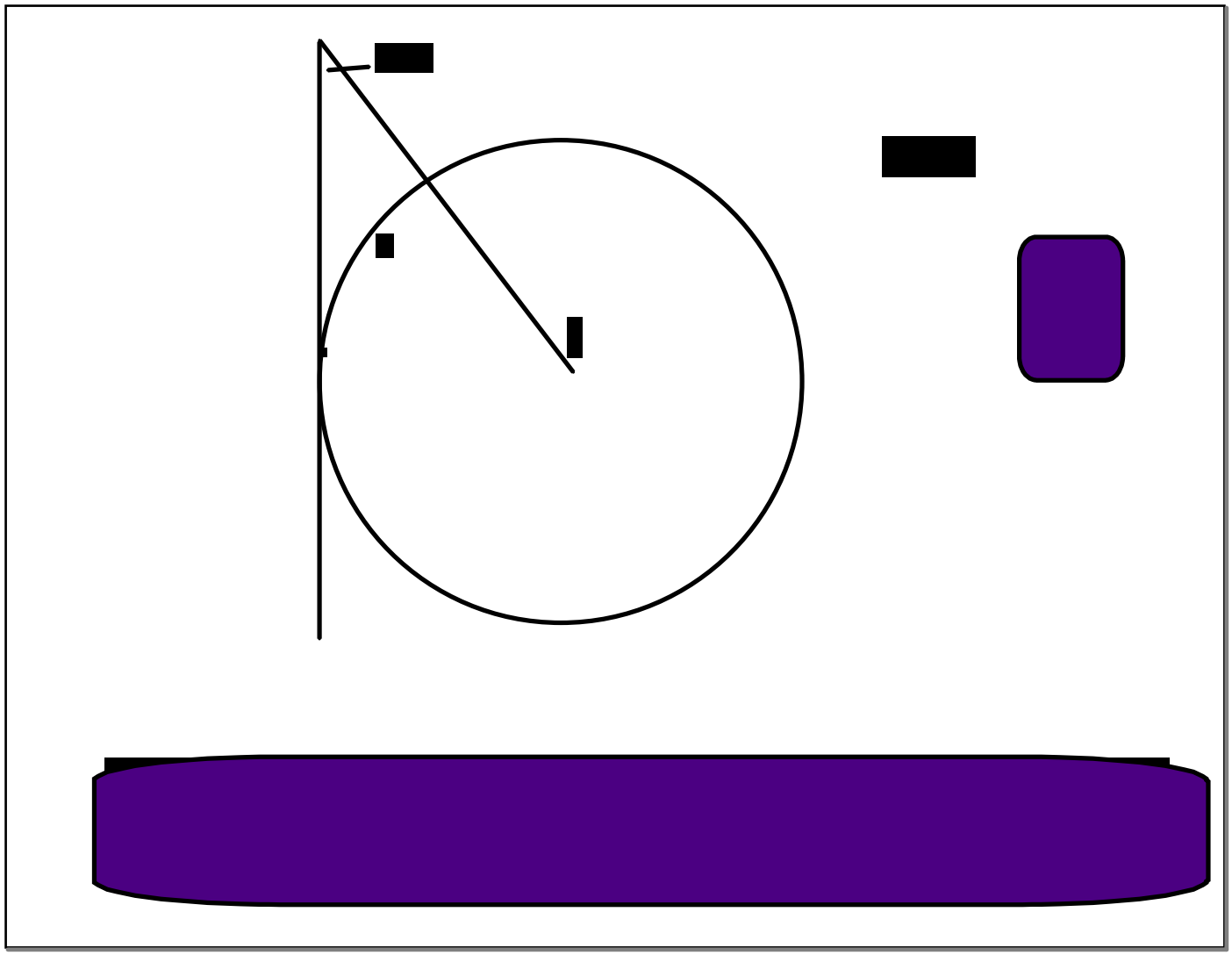
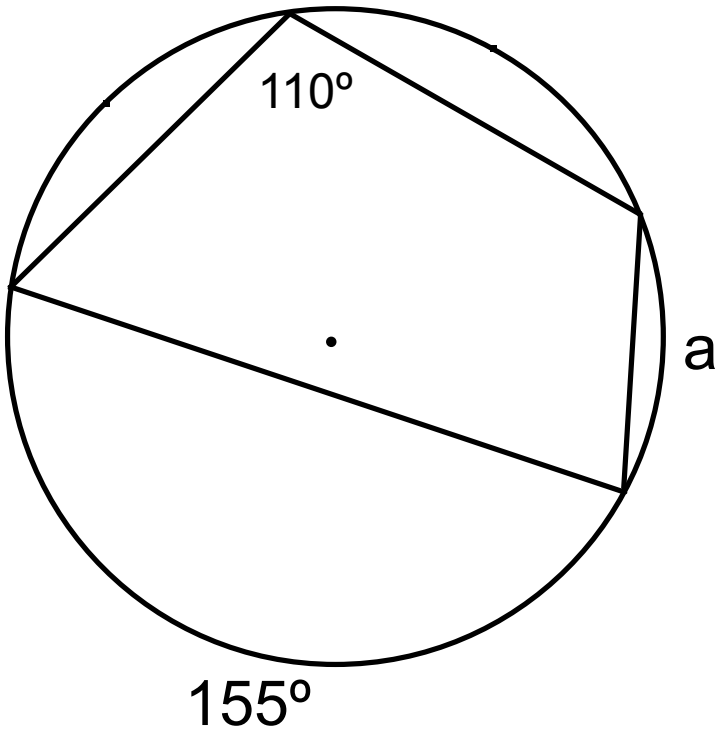
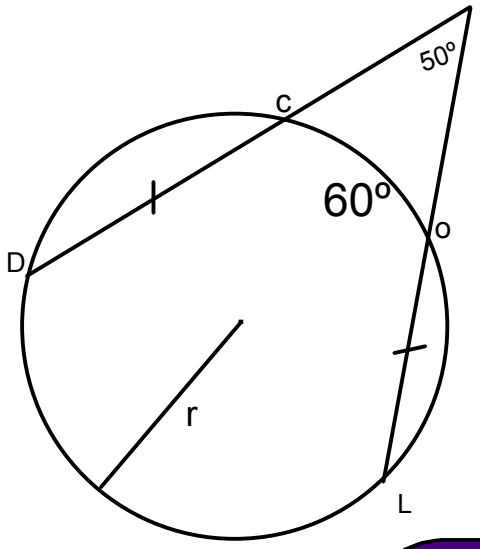




arc length would be 220º so subtract 155 and the answer is 65º



r = 36 ft.
The length of $\overset{\frown}{CD}$ is

$50 = 1/2(x - 60)$

$100 = x - 60$

$160 = x$

mCD =mOL so

mCD + mOL + 60 + 160 = 360

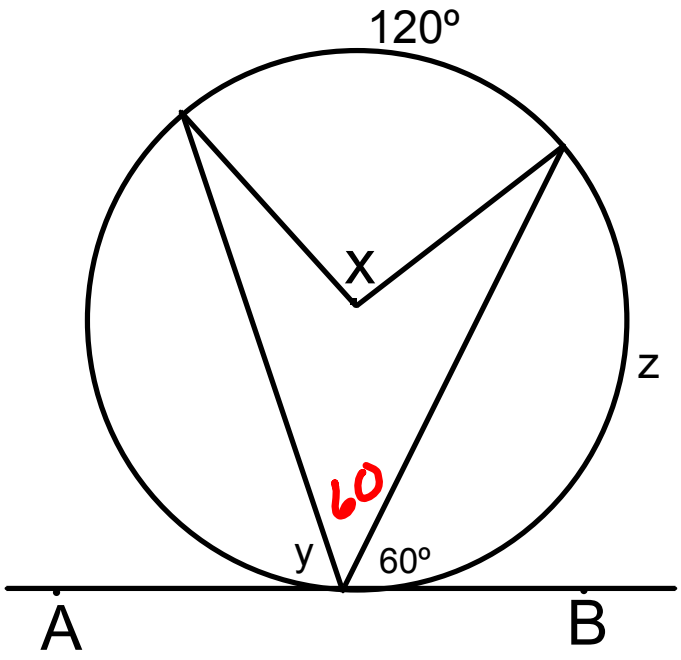
2mCD + 220 = 360

2mCD = 140

mCD = 70

CD = $7/36(72\pi)$ $= 14\pi$

$\frac{70}{360} \cdot \frac{72\pi}{1}$



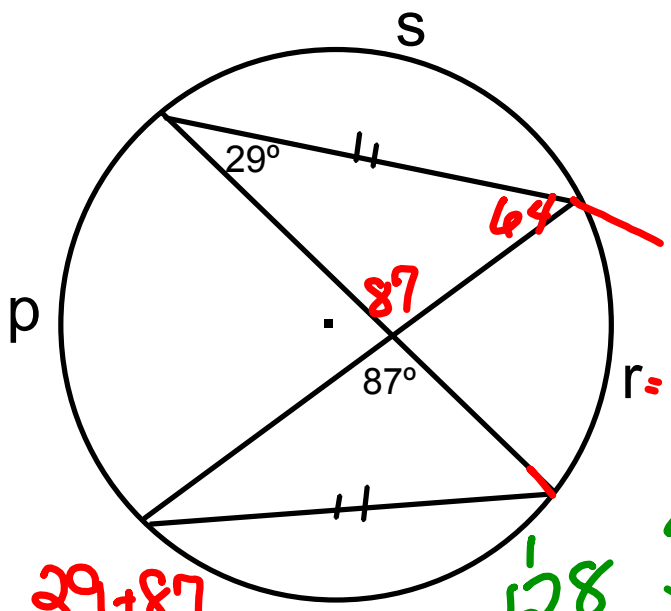
AB is a tangent

x = 120º

y = 60º

z = 120º

Find the sum of x, y, z



p = 128°

q = 87°

r = 58°

s = 87°

find the sum of p, q, and r

Vertical Angles

Triangle sum

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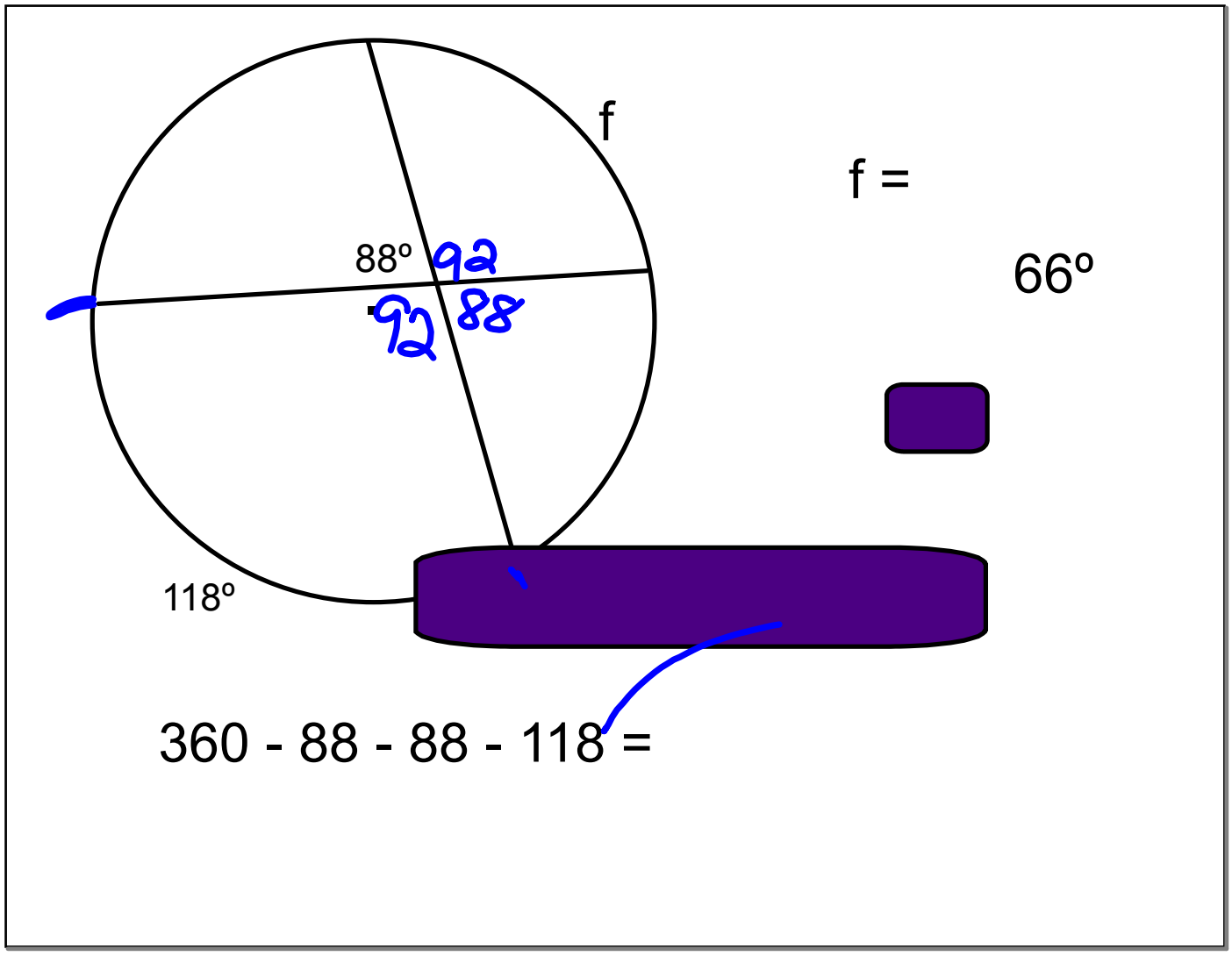
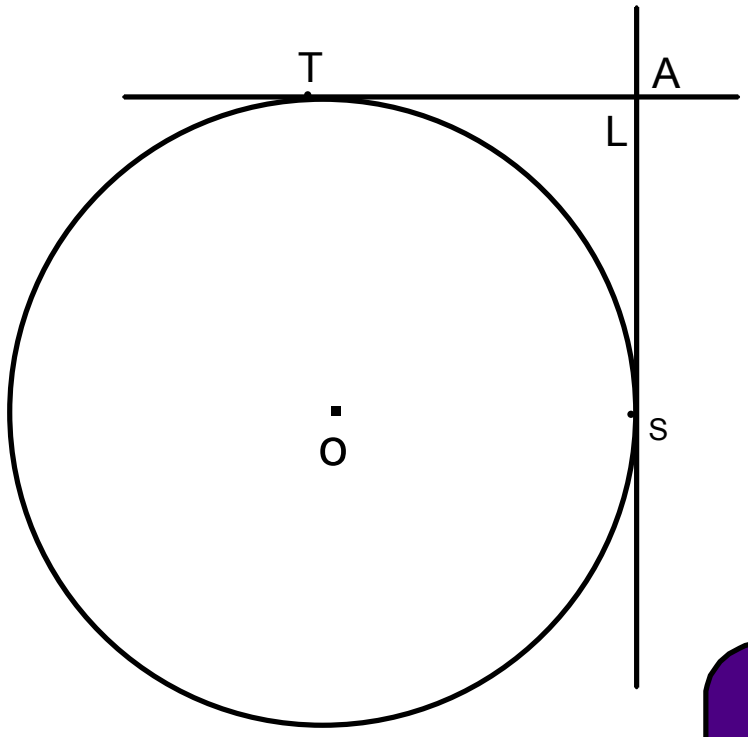


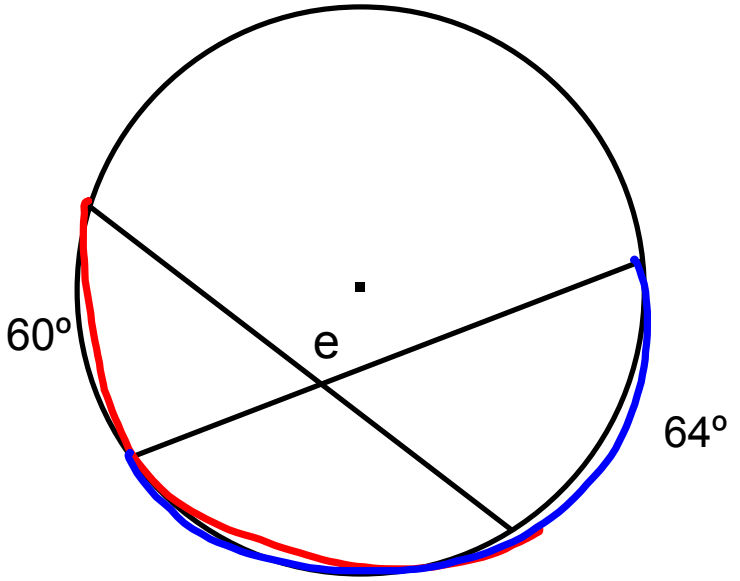


AT and AS are tangents. AT = 12cm. What is the circumference of circle O?

$C = 2\pi r$

$=2(12)\pi$

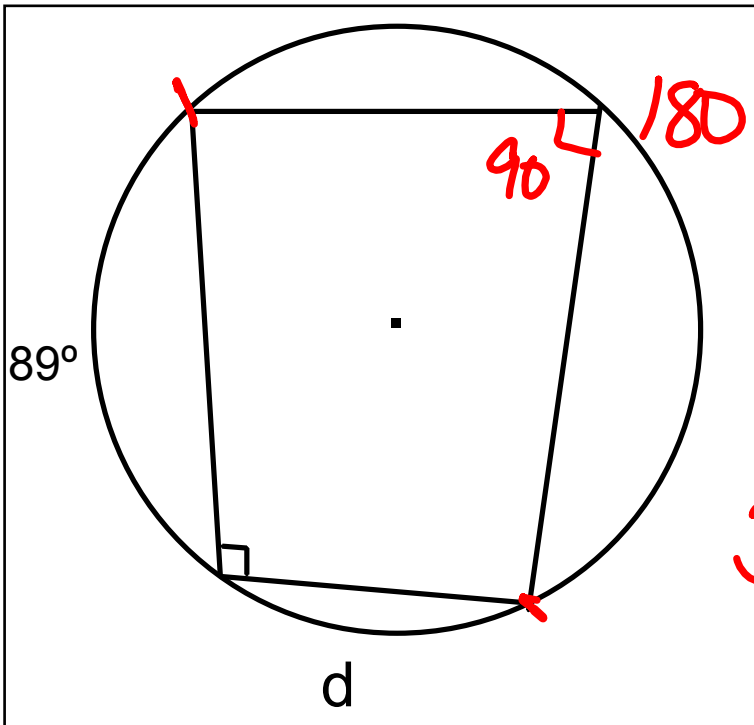
$= 24\pi$



e =

118º

The measure of the intercepted angle of the 64 degree arc is half the sum of the two intercepted arcs, or 64 + 60 divided by 2. e and the 62 degree angle are supplementary, so 180 - 62 is the measure of e.



180

90

d =

91º

360-180

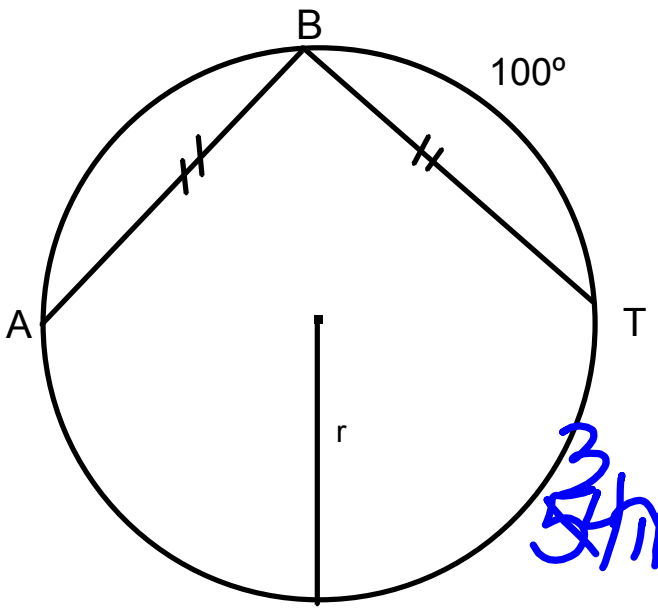
180-89

d=91

the angle of 90º gives an arc of 180º,

180 + 89 = 269

360 - 269 = 91º



r = 27 cm.

The length of $\overset{\frown}{AB}$ is

$\frac{5}{18}$

100 ÷ 360

2π27

15π

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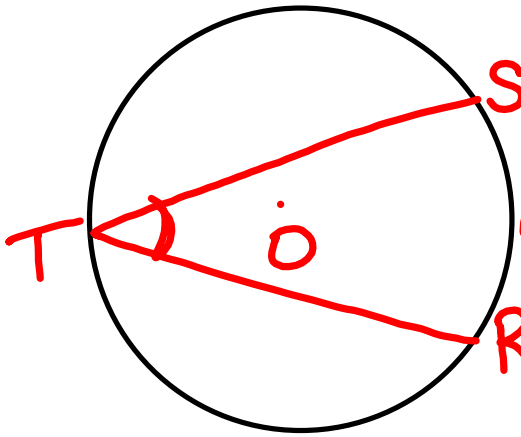
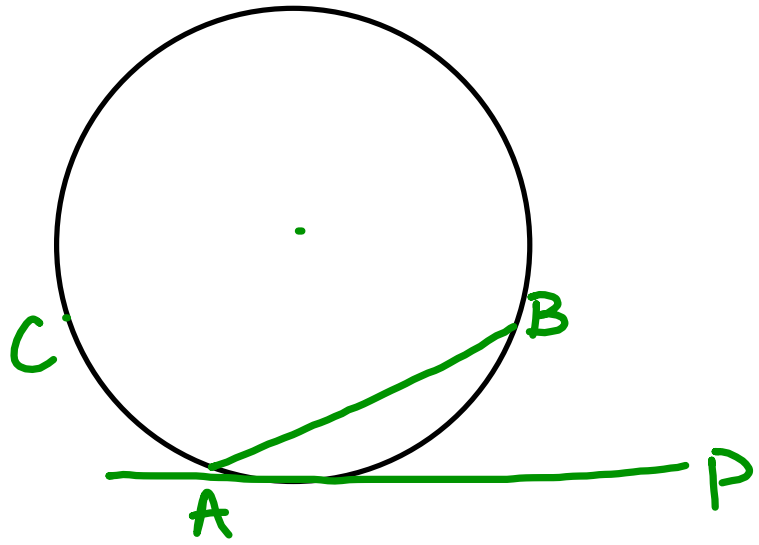


64° $m\overset{\frown}{RS} = 64$

$m\angle RTS$



$\overline{PA}$ is tangent

$\overline{AB}$ is chord

$m\overset{\frown}{ACB} = 300^\circ$ $\quad \angle BAP$