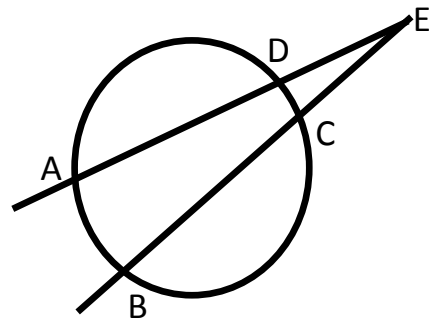


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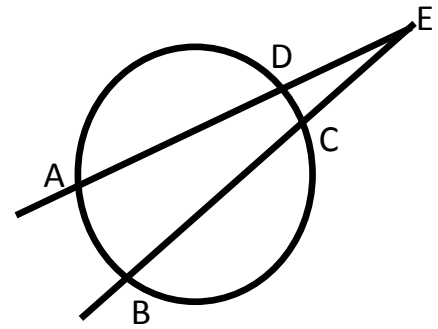
1.14 unit²

- a. $m\angle E = 25$, $mAB = 70$. Find mDC .

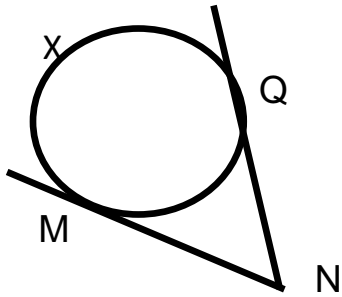


20°

b. $m\widehat{AB} = 60$, $m\widehat{DC} = 30$. Find $m\angle E$.



15°



$$m\text{MXQ} = 220$$

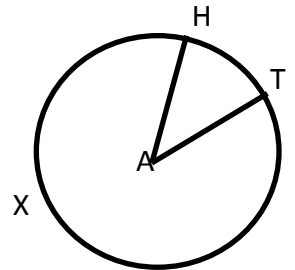
Find $m\angle N$.

40°

Write an equation of the circle in which the diameter has endpoints of $(-3, 2)$ and $(5, -6)$.

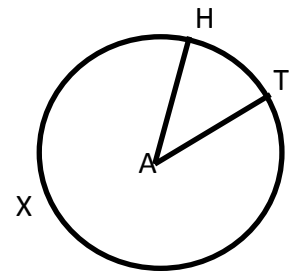
$$(x - 1)^2 + (y + 2)^2 = 32^\circ$$

Given $\odot A$ has a diameter = 14cm and the $m\widehat{HXT} = 280$. Find the length of the arc HXT.



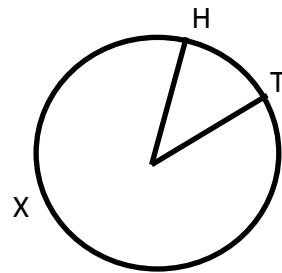
34.21 cm

b. HT has a length of 8cm. If $m\angle A = 50$, find the radius.



9.17cm

The area of the sector is $64\pi \text{ in}^2$ and $\angle H = 20^\circ$. Find the radius of the circle.



33.94cm

Determine each center and radius:

$$(x + 3)^2 + (y - 8)^2 = 90$$

Center $(-3, 8)$
Radius = $3\sqrt{10}$

Determine each center and radius:

$$x^2 + y^2 + 2x + 1 = 75$$

Center $(-1, 0)$
Radius = $5\sqrt{3}$

Find the area of the shaded region.

