Define and draw each.
1. Inscribed Angle -
2. Central Angle -
3. Tangent -

4. Write the equation of a circle given the center is at (-4, 3) and the radius is 8.

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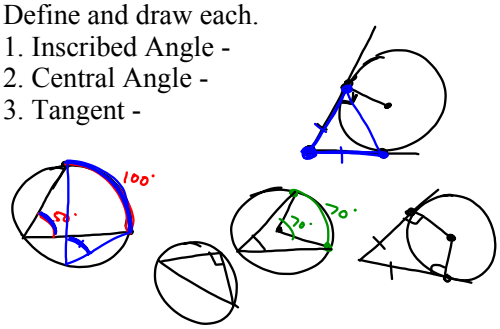

Apr 14-8:01 AM

4. Write the equation of a circle given the center is at (-4, 3) and the radius is 8.

$(x-h)^2 + (y-k)^2 = r^2$

$(x+4)^2 + (y-3)^2 = 64$

cent
rad

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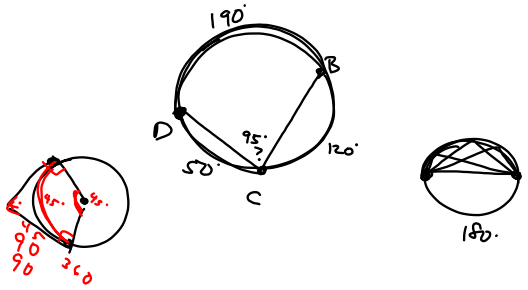

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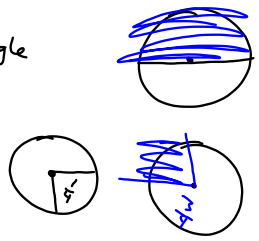
Area of a Sectors

$A = \frac{N}{360}(\pi r^2)$

N = central angle

$\frac{180}{360} = \frac{1}{2}$

$\frac{270}{360} = \frac{3}{4}$



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$A = \frac{N}{360}(\pi r^2)$

$A = \frac{150}{360}(\pi 10^2)$

$A = 130.9\ in^2$

Apr 14-9:16 AM

$A = \frac{N}{360}(\pi r^2)$

$A = \frac{72}{360}(\pi 6^2)$

$A = 22.6\ in^2$

Apr 14-9:18 AM

Area of a Sector of a Circle Worksheet

In a circle with radius 5cm, Find the area of the sector whose central Angle is given. Round to the nearest hundreth.

1. 10°
2. 180°
3. 36°
4. 12°
5. 120°
6. 45°

Apr 14-9:19 AM