KLEPINSKA, HOUSKONH, BUBENIKOVH - COZS(RUSC 20 MATERIALY, MATEYZIRESS 2000

3. Look and read:



not intersect it is called a tangent. A line which called a secant. intersects the circumference in two places is A line meeting the circumference but which does

are concentric. An annulus (pl. annuli) is the region between two concentric circles. These circles have the same point of origin. They

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A CIRCLE

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3(2p-x) < px + 1

k)  $V = \pi r^2 h$ 

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 $\frac{p}{q} + r = q^2$ 

,  $3ab - \frac{b}{c} = 11$ 

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(a + c) d = ca $mh^2 = 3$ 

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 $a^{2} + 2ab + b^{2}$ 

a+b

-=a+b

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 $C = \pi d$ 

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 $(a \pm b)^2 = a^2 \pm 2 \ ab + b^2$ 

2

Read out the following:

 $4 a^2 b + 8 a b^2 = 3c$  $1 + 2x = y^{5} + q^{5} = 1$ 

a-c=m-y

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triangle, and its centre is called its circumcentre. of a triangle is called the circumcircle of the to the circle. The centre of an inscribed triangle is triangle, then each side of the triangle is a tangent triangle. A circle may be also inscribed in the called its incentre. The circle is circumscribed about (around) the A circle which passes through the vertices

4. Give information about the figures:





## 1. Name the following:

- a) area a
- b) area b
- c) AC d) AO
- ) e) ()
- f) AB and BC
- Say, whether the following statements are true or false. Correct the false statements:
- a) A chord is a curved line.

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- b) The radius of a circle is half the length of its diameter.
- c) A closed curve where all points on the curve are equidistant from the centre is called a circumference.
- d) A sector has three sides, two chords and an arc.

<ul> <li>7. Fill in the missing expressions:</li> <li>a) If we draw the of a circle, the line divides the circle into two equal</li> <li>b) A semi-circle an angle of 90° at the</li> <li>c) A triangle has been if a circle passes through its</li> <li>d) A is the area enclosed by an arc and two, while a</li></ul>	<ul> <li>6. The circumference of a circle is approximately 15.7 cm. Calculate:</li> <li>a) the approximate radius</li> <li>b) the approximate diameter</li> </ul>	a) the diameter b) the circumference
divides the circle into two equal http://www.commons.com/ through its	5.7 cm. Calculate:	

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## How to draw Inscribed and Circumscribed Circles

http://www.youtube.com/watch?v=gpLpAmqu\_s4&feature=related

## Fill in the missing words.

a) Circumscribed circle is any circle that lies ......b) Inscribed circle is any circle that lies ......

## Answer the Qs.

a) Where is the center of the circumscribed circle?
b)How can you construct perpendicular bisectors?
c) What does ,,co-linear" mean?
d) What happens to the perpendicular bisectors when the vertices are co-linear?

Watch the second part of a video and describe how to construct inscribed circle.