

Pre Calculus 10 1 Circle. This is a must watched lecture video for Pre-Calculus final

Lesson 214 | Precalculus | Circles, chords and equations

<https://www.youtube.com/watch?v=dFebQknmH3I>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

Write the equation of a circle with center (3,2) and radius 8. Find its x-extremes and y-extremes.

02

Write the equation of a circle with center (-1,11) and radius 8. Find its x-extremes and y-extremes.

03

Write the equation of a circle with center (-9,12) and radius 11. Find its x-extremes and y-extremes.

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04

Write the equation of a circle with center $(0,8)$ and radius 4. Find its x-extremes and y-extremes.

05

Write the equation of a circle with center $(6,2)$ and radius 4. Find its x-extremes and y-extremes.

06

Write the equation of a circle with center $(-6,14)$ and radius 4. Find its x-extremes and y-extremes.

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01

Write the equation of a circle with center (3,2) and radius 8. Find its x-extremes and y-extremes.

$(x-3)^2 + (y-2)^2 = 64$. Left/right: (-5,2), (11,2); bottom/top: (3,-6), (3,10).

02

Write the equation of a circle with center (-1,11) and radius 8. Find its x-extremes and y-extremes.

$(x-(-1))^2 + (y-11)^2 = 64$. Left/right: (-9,11), (7,11); bottom/top: (-1,3), (-1,19).

03

Write the equation of a circle with center (-9,12) and radius 11. Find its x-extremes and y-extremes.

$(x-(-9))^2 + (y-12)^2 = 121$. Left/right: (-20,12), (2,12); bottom/top: (-9,1), (-9,23).

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04

Write the equation of a circle with center (0,8) and radius 4. Find its x-extremes and y-extremes.

$(x-0)^2+(y-8)^2=16$. Left/right: (-4,8), (4,8); bottom/top: (0,4), (0,12).

05

Write the equation of a circle with center (6,2) and radius 4. Find its x-extremes and y-extremes.

$(x-6)^2+(y-2)^2=16$. Left/right: (2,2), (10,2); bottom/top: (6,-2), (6,6).

06

Write the equation of a circle with center (-6,14) and radius 4. Find its x-extremes and y-extremes.

$(x-(-6))^2+(y-14)^2=16$. Left/right: (-10,14), (-2,14); bottom/top: (-6,10), (-6,18).