Daily Agenda

Learning Target: I can solve a system of equations involving conics.

Homework
9.3 Worksheet

Assessments
Unit 9 Test - 4/19

Take Social Skills Inventory

Diversity is not about how we differ. Diversity is about embracing one another's uniqueness.

- Ola Joseph

Nov 15-8:24 PM

9.3 Systems of Conics

How can we solve the system?

How many solutions could it have?

$9(x^2+y^2-16x=-39)$

$5x^2+9y^2=161$

$-9x^2-9y^2+144x=351$

$5x^2+9y^2=161$

$-4x^2+144x=512$

$0=4x^2-144x+512$

$0=4(x^2-36x+128)$

$0=(x-4)(x-32)$

$x=4 \quad x=32$

$5(16)+9y^2=161$

$80+9y^2=161$

$9y^2=81$

$y^2=9 \quad y=\pm 3$

$(4,3)(4,-3)$

$5(32)^2+9y^2=161$

$9y^2=161-5(32)^2$

Feb 9-11:33 AM

Solve the system.

$5x^2+16y^2+10x-64y=75$

$5x-4y=-1$

$4y=5x+1$

$5x^2+(4y)^2+10x-16(4y)=75$

$5x^2+(5x+1)^2+10x-16(5x+1)=75$

$5x^2+25x^2+10x+1+10x-80x-16=75$

$30x^2-60x-90=0$

$30(x^2-2x-3)=0 \quad x=3,-1$

$(x-3)(x+1)=0 \quad y=4,-1$

$(3,4)$

$(-1,-1)$

Feb 9-11:33 AM

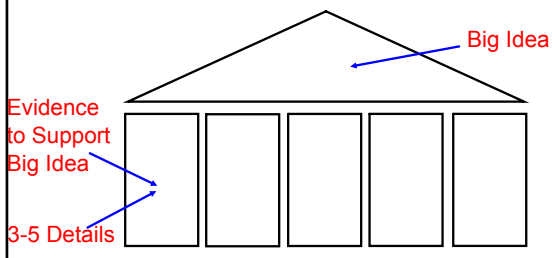
Big Idea

One sentence summary
Purpose or description of a topic/item
Helps someone unfamiliar with the topic
know the most important part

In your table group, write the Big Idea of an iPhone. What is its purpose?

Apr 5-9:41 AM

Big Idea Icon

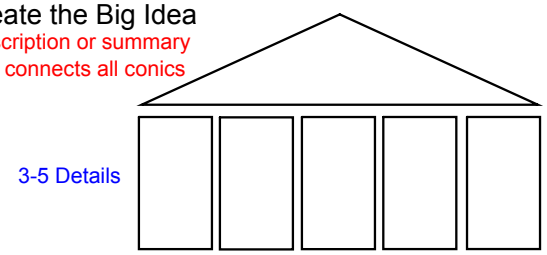


Apr 7-7:47 AM

Conics

Create the Big Idea

Description or summary that connects all conics



Apr 7-8:21 AM