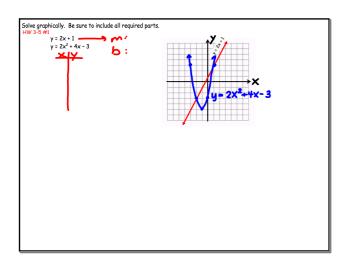
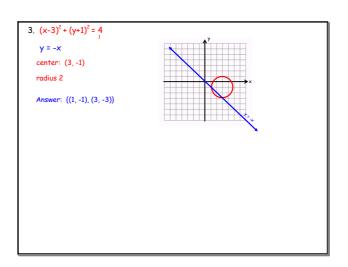


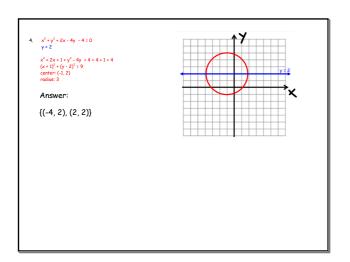
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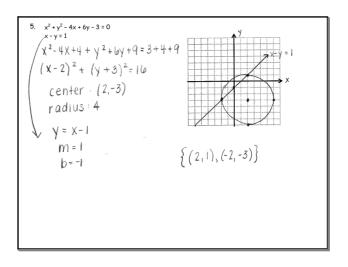
Aug 13-9:18 AM





Sep 9-8:47 PM Sep 9-8:49 PM





Oct 10-2:14 PM Aug 13-12:05 PM

**U3D4** 

## **Solving Systems Algebraically**

Solve the two equations from yesterday algebraically.

Steps to consider:

- Solve the linear equation for x or y.
   Substitute into the circle (or parabola) equation.
- Solve.
- Substitute your answer into the linear equation to solve for the remaining variable.
- 5. Express your answer as points in solution  $ie \{(2,3), (-1,4)\}$

Aug 13-9:09 AM

Aug 13-11:10 AM

1. 
$$x^2 + y^2 = 25$$
  
 $4x + 3y = 0$ 

Aug 13-11:10 AM

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

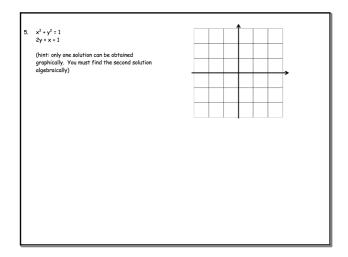
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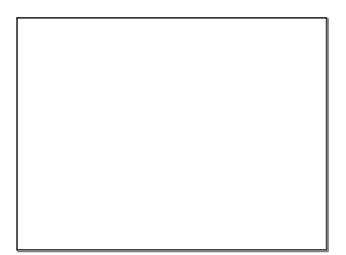
Solve the systems algebraically:

3. 
$$(x-1)^2 + (y-2)^2 = 4$$
  
  $y = 2x + 2$ 

Aug 13-11:11 AM

Aug 13-11:11 AM





Sep 9-9:03 PM Oct 18-7:24 AM