## Arrival Instructions

- Divide into 2 teams ( 5 people vs 6 people)
- Create a Team Name
- Discuss HW Questions with group

## HW Questions?



2. Write an equation, in standard  
form, of the line tangent to the  
curve with parametric equations  
$$x = 3e^{-t}$$
 and  $y = 6e^{t}$   
at  $t = 0$   
 $2x + y = 12$ 



4. In the *xy plane*, what would be  
The equation that represents  
the graph described by  

$$x = 2t + 4$$
  $y = 4t$   
 $y = 2x - 8$ 



6. Determine any asymptotes and/or holes of the following function:

$$f(x) = \frac{x-2}{x^2-4}$$
  
Vertical:  $x = -2$   
Horizontal:  $y = 0$   
Hole:  $x = 2$ 



8. Find 
$$\frac{d^2 y}{dx^2}$$
 for the parametric  
curve defined by:  
$$x = e^t \quad and \quad y = \sin t$$
$$\frac{d^2 y}{dx^2} = \frac{-\sin t - \cos t}{e^{2t}}$$





















- Test TOMORROW
  - 72 minutes for 4 sections
  - Includes review of AB Topics
  - Study Guide on Edmodo
  - Tutoring after school today
- Unit HW Packet due tomorrow

6