	С	lasswork 3 - F	Related Rates		
Water leaking or How fast is the r	nto a floor creates radius of the pool	s a circular pool increasing whe	with an area th n the radius is 1	at increases at the r 0 cm?	ate of 3
Picture:					
Know:			-		
Find:			-		
Equation:			-		
Work:					

Final Answer: \_\_\_\_\_

Group	Memebers:	
	Classwork 3 - Related Rates	
2.	A balloon rises at the rate of 8 ft./sec. from a point on the ground 60 feet from an observer. Frate of change of the angle of elevation when the balloon is 25 feet above the ground.	ind the
	Picture:	
	Know:	
	Find:	
	Equation:	
	Work:	

Final Answer: \_\_\_\_\_

oup	Memebers:
	Classwork 3 - Related Rates
	A particle is moving in a circular orbit $x^2 + y^2 = 25$ . As it passes through the point (3, 4), its coordinate is decreasing at the rate of 2 units per second. How is the x coordinate changing
	Picture:
	Know:
	Know:
	Find:
	Equation:
	Work:
	Final Answer:

Grou	p Memebers:
	Classwork 3 - Related Rates
4.	A conical paper cup 8 inches across the top and 6 inches deep is full of water. The cup springs a leal at the bottom and loses water at the rate of 2 cubic inches per minute. How fast is the water level dropping at the instant when the water is exactly 3 inches deep?
	Picture:
	Know:
	Find:
	Equation:
	Work:

Final Answer: \_\_\_\_\_