Physics 151 Worksheet #6: Centripetal Acceleration

Name:	Partner(s):
<u> </u>	ng questions based on the computer simulations. Please show all ar reasoning. Place boxes around your final answers.
Simulation #1: Sled left on a Mer Determine the coefficient of stat your worksheet.	rry-Go-Round tic friction (between the sled and the merry-go-round) on
	Answer =
Simulation #2: Ferris Wheel What is the NET applied force on a $(x,y) = (6,0)$? (c) , $(x,y) = (0,6)$?	a 100 kg rider when the rider is at point (a), $(x,y) = (0,-6)$? (b),

Answer =	
Answer =	
Answer =	

Simulation #3: Ball on String	Correct Animation =
Explanation:	
Simulation #4. Can Accelerating on a Cincular Treat-	Correct Animation -
Simulation #4: Car Accelerating on a Circular Track	Correct Animation =
Explanation:	