Name $\qquad$ Sec $\qquad$ Date $\qquad$

## CONSTANT ACCELERATION PROBLEM WORKSHEET SAMPLE PROBLEM

A cubicle containing eight people at an amusement park has been accelerated as the result of a previous free fall. It has changed direction on a track and is coasting horizontally with a velocity of 90 MPH when the brakes are applied. The cart slows down at a constant acceleration and comes to rest in a distance of 24 m . What is its acceleration due to the braking action? (Mass of the Cubicle $\left.=1.6 \times 10^{3} \mathrm{~kg}\right)$


