

Advanced Math  
Quarter 2 Problem Solving #1

1. A stock drops 20% in value. By what percentage must the stock increase to regain its original value?

2. A wheel has a radius of 2 feet. As it turns, a cable connected to a box winds onto the wheel. How far does the box move if the wheel turns  $225^\circ$  in a counterclockwise direction? Note: The wheel spins in place, it does not move along the ground.



