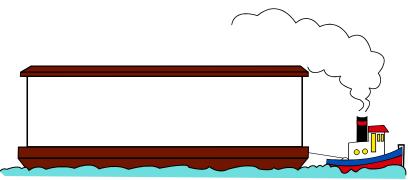
Pre-lab 7



You have a tug boat towing a barge of mass 15,000 kg. The barge is initially at rest. The tug boat can exert a force of 30,000 N and the water exerts a "drag" force 28,000 N. What is the speed of the tug and barge after they have traveled a distance 100 m?