



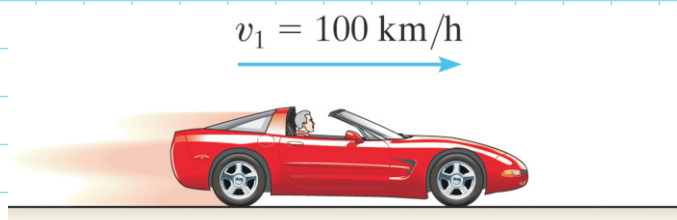
NAME

DATE

PROBLEM: AP-24

GIVEN:

The 2-Mg car has a velocity of $v_1 = 100 \text{ km/h}$ when the driver sees an obstacle in front of the car. It takes 0.75 s for him to react and lock the brakes, causing the car to skid. If the car stops when it has traveled a distance of 175 m, determine the coefficient of kinetic friction between the tires and the road.



REQUIRED:

SOLUTION: