

Name _____ Period _____

Friction Quiz 4

A state trooper doing an accident reconstruction determines that the coefficient of friction between the tires and the road is 0.52. The skid marks of the car measure 34.2 meters. The car weighs 17,250 N. Assuming that the car ended at a stop, how fast was the car going when the breaks were applied?

1. FBD 2 points
2. Net force equations 2 points
3. Friction calculation 2 points
4. Acceleration calculation 2 points
5. Initial velocity calculation 2 points