

NAME:

PERIOD:

DATE:

ACCELERATION HOMEWORK #1

FOR ALL PROBLEMS:

SHOW THE FORMULA
LABEL YOUR ANSWER

SHOW YOUR SUBSTITUTIONS
CIRCLE YOUR ANSWER

1. A bicyclist starts at the starting line going 0 miles/hour. She pedals as hard as she can, and after 3 seconds, the bicycle is going 9 miles/hour. What was the acceleration of the bicyclist?

2. Chet the cheetah was not moving. (That's 0 meters/second.) Chet took off and sped up to 25 meters/second after only 3 seconds. What was his acceleration?

3. The dirt bike was going 43 miles/hour in the turn. As it hit the straight stretch it accelerated to 88 miles/hour over 5 seconds. What was the bike's acceleration?

4. The funny car was racing at a velocity of 120 miles/hour. Then the parachute opened, and 3 seconds later, the funny car had slowed to 40 miles/hour. What was the funny car's acceleration?

