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**Physics Homework**

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_



# Show PAWS



- 1) A car travels at a rate of 45.8km/hr in a straight line for 4.7hr. Find the displacement.
  
  
  
  
  
  
  
  
  
  
- 2) Sketch a distance vs. time and a velocity vs. time graph for the motion in number 1.
  
  
  
  
  
  
  
  
  
  
- 3) A runner moving with a speed of 3.89m/s will take how long to run 1.5km?
  
  
  
  
  
  
  
  
  
  
- 4) Sketch a distance vs. time for a runner who stands still for 2 seconds, then runs forward very fast for 5 seconds, then runs backward slowly until he reaches the starting point.
  
  
  
  
  
  
  
  
  
  
- 5) How far will a runner travel if he runs 4.0m/s for 25s then slows down and runs 2.8m/s for 65s.