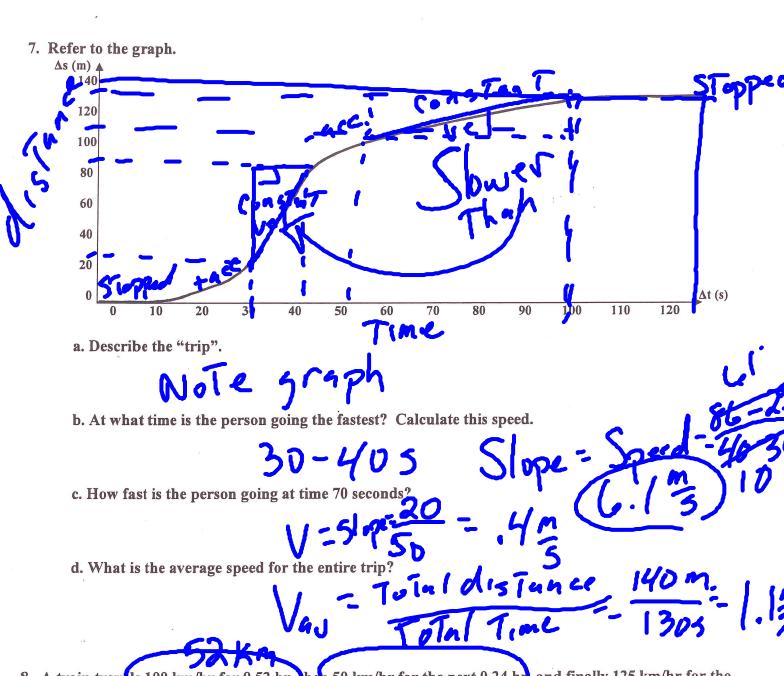
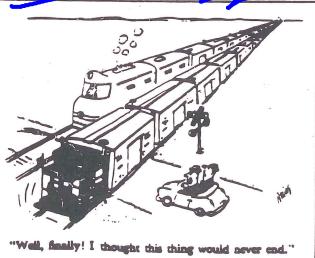
| Total distance Average Total Time GRAPHS OF MOTION 1 1. A racer covered a 4500 m course in 18 minutes. Calculate the velocity $ \begin{array}{cccccccccccccccccccccccccccccccccc$ | to sec she run in meters: Kin2 5 1 4 9 50 m |
|--|---|
| 3. A photon of light travels at 3 x 10 ⁸ m/s (the speed limit of the universe minutes to reach Earth from the sun, what is the Earth-Sun distance? 5. A car drives on a road at a speed of 35 mph. Convert this into m/s and | = 16.20 × 10 m/s 1.62 × 10 m/s D back in Time |
| 6. Calculate the slope of the following graphs. Be sure to state units. As (km) 200 150 100 At (hr) At (s) | - (15,6 m/5) - 40 kg - 5wk - 5wk |



8. A train travels 100 km/hr for 0.52 hr, her 50 km/hr for the next 0.24 hr, and finally 125 km/hr for the last 0.65 hr. What is the average speed of the train for this trip?



$$\frac{S_{p1}}{4} = \frac{|45.25|}{1.41|} = \frac{|45.25|}{1.45|} = \frac{|45.25|}{1.41|} = \frac{|45.25|}{1.41|} = \frac{|45.25|}{1.45|} = \frac{|45.25|}{1.41|} = \frac{|45.25|}{1.45|} = \frac{|45.25|}{1.41|} = \frac{|45.25|}{1.45|} = \frac{|45.25$$