

Acceleration of a Drag Racer

Title should explain why you are doing the graph.
"Calculating the acceleration of a drag racer" would be better

Well chosen best fit line stays as close to as many points as possible. NOT just the first and last point connected

Points on the best fit line used for calculation, NOT data points.

No Legend! That'll cost you marks... I don't know how big the boxes are!?!?

Slope calculation on the graph with units in the answer... But the units are wrong! Should be m/s^2

$$a = \frac{\Delta v}{t}$$

$$a = \frac{v_f - v_i}{t_f - t_i}$$

$$a = \frac{60 \text{ m/s} - 47 \text{ m/s}}{3.9 \text{ s} - 3 \text{ s}}$$

$$a = \frac{13 \text{ m/s}}{0.9 \text{ s}}$$

$$a = 14.44 \text{ m}$$

Axis labeled with appropriate units... and the scales are nice round #'s that make the graph take the whole page.

Velocity [m/s]

Time [s]