On the Test

Significant Figures

Unit Conversions

Speed, Distance, Time

Acceleration

Distance-Time Graphs and Speed-Time Graphs

Test Format

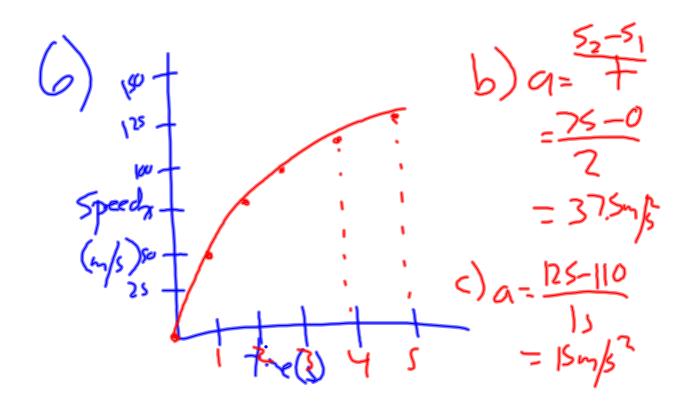
- 9 Multiple Choice (20%)
- 8 Questions About Graphs (33%) <---
- 8 Calculation Questions (47%)

Speed

$$d = area uden$$
 $d = area uden$
 $d = st$
 $= (a)(sa)$
 $= (a$

Speed and velocity

Distance and displacement



Warm-Up

A roller coaster car rapidly picks up speed as it rolls down a slope. As it starts down the slope, its speed is 4 m/s, but 3 seconds later, its speed is 22 m/s. What is its average acceleration?

$$S_1 = 4 \frac{1}{2}$$
 $S_1 = 4 \frac{1}{2}$
 $S_1 = 4 \frac{1}{2}$
 $S_2 = 3$
 $S_3 = 3$
 $S_4 = 3$
 $S_4 = 3$
 $S_5 = 3$
 $S_5 = 3$
 $S_7 = 3$

Speed

So Formari with an initial walcair

If a Ferrari, with an initial velocity of 10 m/s, accelerates at a rate of 50 m/s² for 3 seconds, what will its final

velocity be?

$$S_1 = 10 \frac{1}{5}$$
 $A = 50 \frac{1}{5}$
 $A = 3 \frac{1}{5}$
 $A = 3 \frac{1}{5}$

$$O_1 = \frac{52^{-5}1}{4}$$

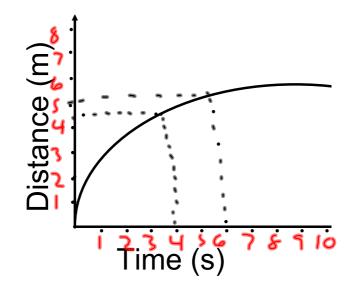
$$O_2 = \frac{52^{-5}1}{4}$$

$$O_3 = \frac{52^{-5}1}{4}$$

$$O_4 = \frac{52^{-5}1}{4}$$

$$O_5 = \frac{52^{-5}1}{4}$$

$$O_7 = \frac{52^{-5}1}{4}$$



what is the distance after 4 s? 4.5 ¬

What is the average speed after 6 s? S = 4