

1. I WALKED A DISTANCE OF 2 miles

2. A RIDE OPERATOR APPLIED THE ^{decelerate}
BRAKES CAUSING THE CAR TO _____

3. A CANNON LAUNCHED A BALL
WITH A VELOCITY OF 25 mph

4. A SKATEBOARDER ^{Accelerate} _____ UPWARD
HE GOES DOWN HILL. AS

5. AS I LOOK AT MY SPEEDOMETER
IT READS MY INSTANTANEOUS SPEED.

6. A CONSTANT velocity will have
an acceleration of zero.

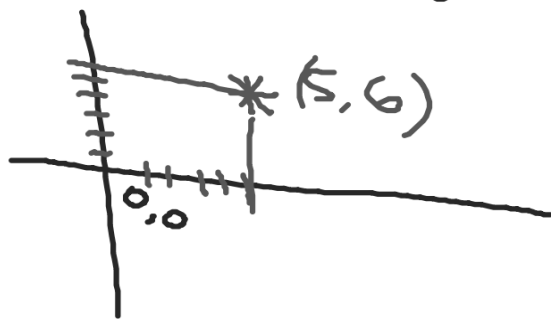
7. A train decreases its SPEED
FROM 25 mph to 10 mph.

8. A swimmer will Accelerate AS
She pushes off the wall.

9. Change in time CAN never
* be zero

10. my GPS tells me my POSITION
is $79^{\circ}W + 40^{\circ}N$

Longitude LATITUDE

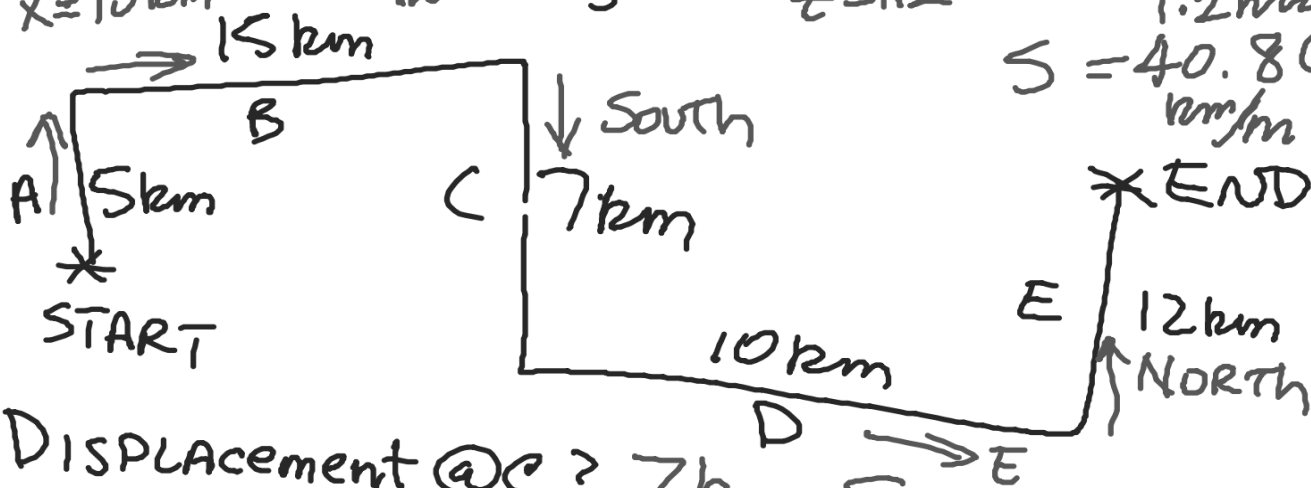


	A	B	C	D	E
1					
2				• CATROBE	
3					
4					

$N = ?$
 $t = .5 \text{ hr}$
 $x = 10 \text{ km E}$
 $N = \frac{x}{t} = \frac{10 \text{ km E}}{.5 \text{ hr}} = 20 \frac{\text{km}}{\text{hr}} \text{ E}$

$S = ?$
 $d = 49 \text{ km}$
 $t = 1.2 \text{ hrs}$

$S = \frac{d}{t} = \frac{49 \text{ km}}{1.2 \text{ hrs}} = 40.86 \frac{\text{km}}{\text{hr}}$



DISPLACEMENT @ C? 7 km S
 TOTAL DISTANCE? 49 km
 At "D" time = 30 min $\frac{1 \text{ hr}}{60 \text{ min}} = .5 \text{ hrs}$
 S total =
 time 1.2 hrs

USING my AVERAGE speed

How long will it take to get to
The store that is 10 km away?

$$S = 40.83 \frac{\text{km}}{\text{hr}}$$

$$d = 10 \text{ km}$$

$$t = ? \quad \textcircled{1} \text{ data}$$

$$S = \frac{d}{t} \quad \textcircled{2} \text{ equation}$$

$$\textcircled{3} t \times 40.83 = \frac{10}{t} \times t$$

$$\frac{40.83 t}{40.83} = \frac{10}{40.83}$$

$$t = \frac{10}{40.83}$$

$$t = .245 \text{ hrs.}$$

$$.245 \text{ hrs} \times \frac{60 \text{ min}}{\text{hrs}} = 14.7 \text{ min}$$

LAST PART of Test IS:

