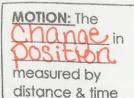
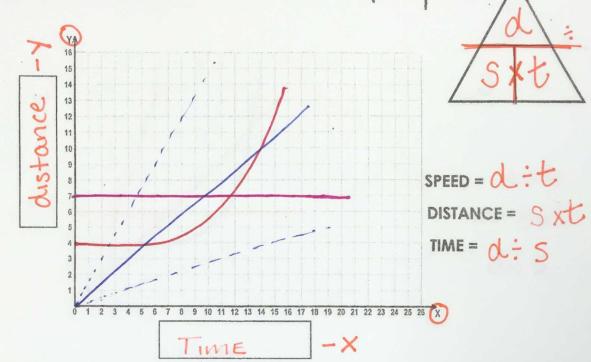
DISTANCE - TIME Graphs



VELOCITY: The Speed and and moving object

at which an object is

acceleration: the care at which speed or direction concess



a distance time graph shows: how far an object has moved in a certain amount of tyme.

A HORIZONTAL line means...

The object is <u>NOT</u> moving or is 'AT REST'

A STRAIGHT line means...

The object is traveline at a constant speed

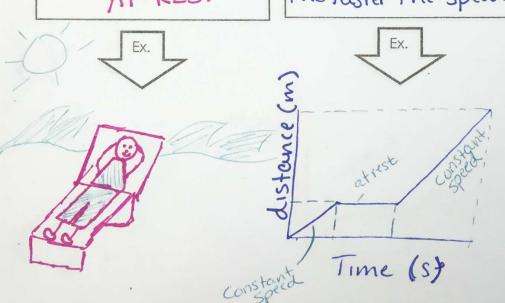
The greater the slope, the faster the speed A CURVED line means...

The object is accelerating.

Acceleration can mean

speed up or

Slow down.



Ex.

?? An object travels 2 meters in 1 second. It then travels another 3 meters in 3 seconds. What was the objects average speed??

Average Speed = Tatal distance

Total Time

1+3 = 5 = 1.25 m/s

mps