

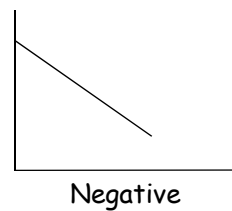
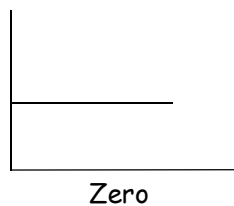
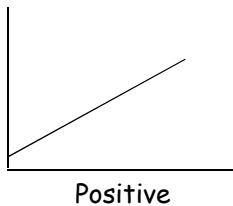
Review - Graphical Analysis

Intro to Kinematics:

- 1.) magnitude, magnitude, direction
- 2.) straight line
- 3.) Equal
- 4.) Vectors: displacement, force, $20. \frac{m}{s}$ [N], velocity, $50. m$ [down], $9.8 \frac{m}{s^2}$ [down], acceleration, $10. km$ [SW]
Scalars: $1.0 kg$, $10. \frac{km}{h}$, distance, $200. km$, $5.0 h$, $40. L$, mass, speed

Graphing Motion:

- 1.) Slope is the pitch or angle (steepness) of the line of a graph.



- 2.) Speed. Slope is rise/run and speed is distance/time.
 Slope is rise/run and speed is metres/seconds.
- 3a.) no, y-intercepts are different b.) B c.) A d.) A has a steeper slope.
 e.) A and B are at the same position.
- 4.) $2.5 s$, $5.0 s$, $20. m$, $10. m$, $4.0 \frac{m}{s}$, $2.0 \frac{m}{s}$
- 5a.) $0 s$, $31 s$, $55 s$ b.) $15 - 20 s$ c.) $20. -40. s$ d.) $4.0 \frac{m}{s}$, $5.0 \frac{m}{s}$ e.) $3.0 \frac{m}{s}$ f.) 0
6. The ball doesn't move at first. Then it moves backwards and then finally stops.

