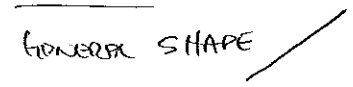
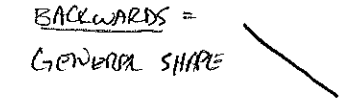
KEY.

Sketching Graphs of Motion

FORWARDS = GENERAL SHAPE 

BACKWARDS = GENERAL SHAPE 

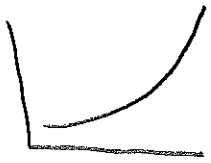
VELOCITY = STRAIGHT

ACCELERATION = CURVED

1.) Sketch a distance vs time graph which shows:

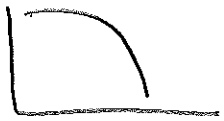
a.) forward constant velocity

b.) forward acceleration

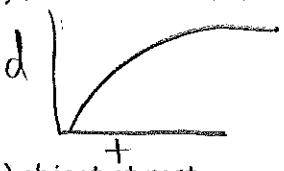


c.) backward constant velocity

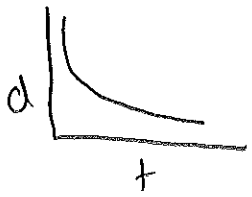
d.) backward acceleration



e.) forward deceleration



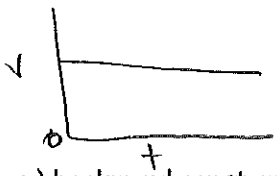
f.) backward deceleration



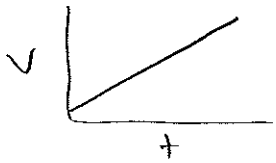
g.) object at rest

2.) Sketch a velocity vs time graph which shows

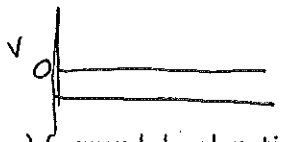
a.) forward constant velocity



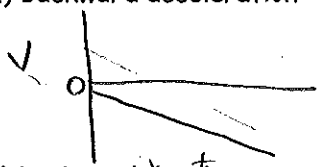
b.) forward acceleration



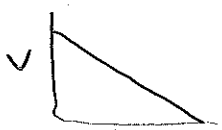
c.) backward constant velocity



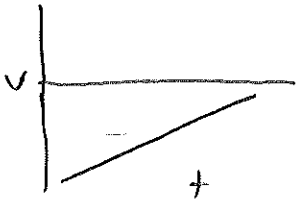
d.) backward acceleration



e.) forward deceleration



f.) backward deceleration



g.) object at rest