

# Velocity - Time Graph

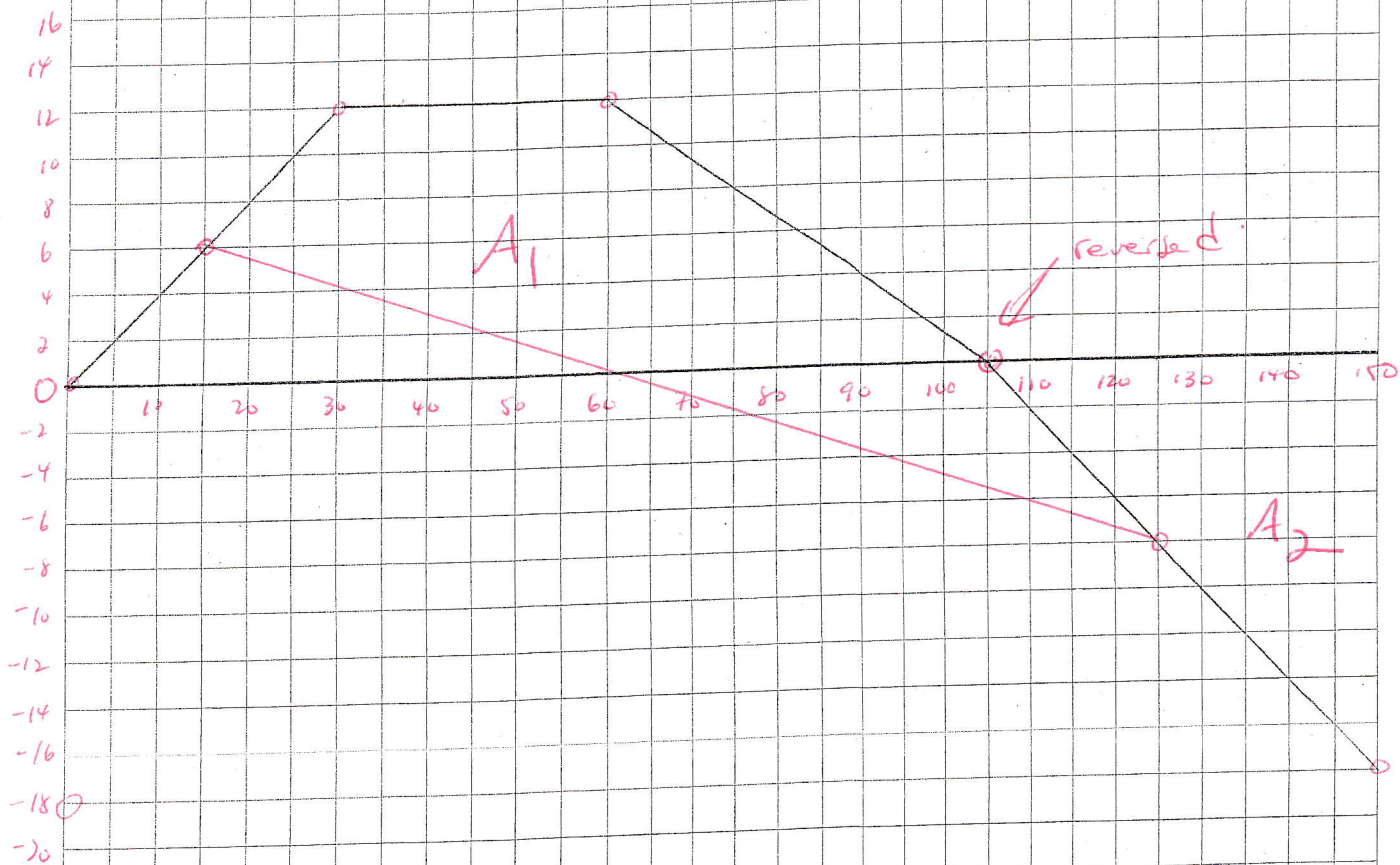
E  
↑

↓

W

$$A_1 = \frac{1}{2} (30 + 105) 12 = 810 \text{ m}$$

$$A_2 = \frac{1}{2} (45) (18) = 405 \text{ m}$$



On the above graph the positive direction is east. Each block represents 2m/s on the vertical axis and 5s on the horizontal axis.