1 An object starts from rest at $x = 0$ at time $t = 0$. Five seconds later, the object is at $x = 40\ m$ and is velocity is $+11\ \frac{m}{s}$.

Was the object's acceleration constant or non-constant during this interval? Explain/give evidence to support your reasoning.

Sketch the velocity graph implied by these data. Is the graph linear or curved? If it is curved, is it concave up or down?