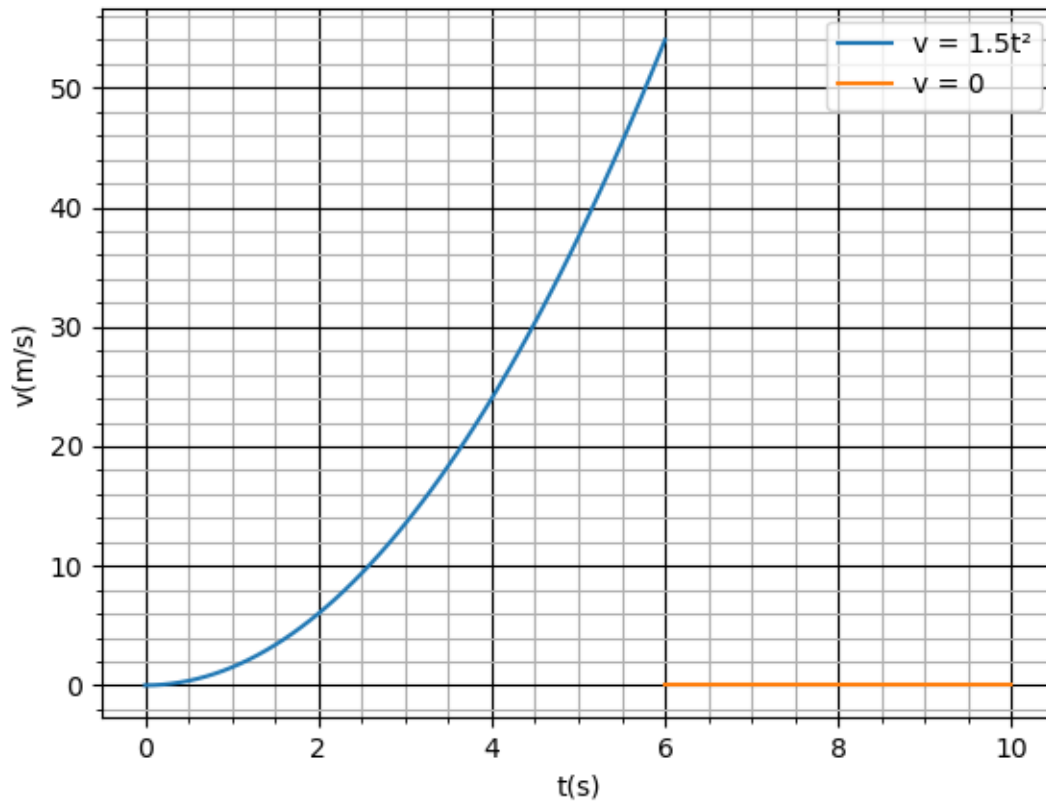
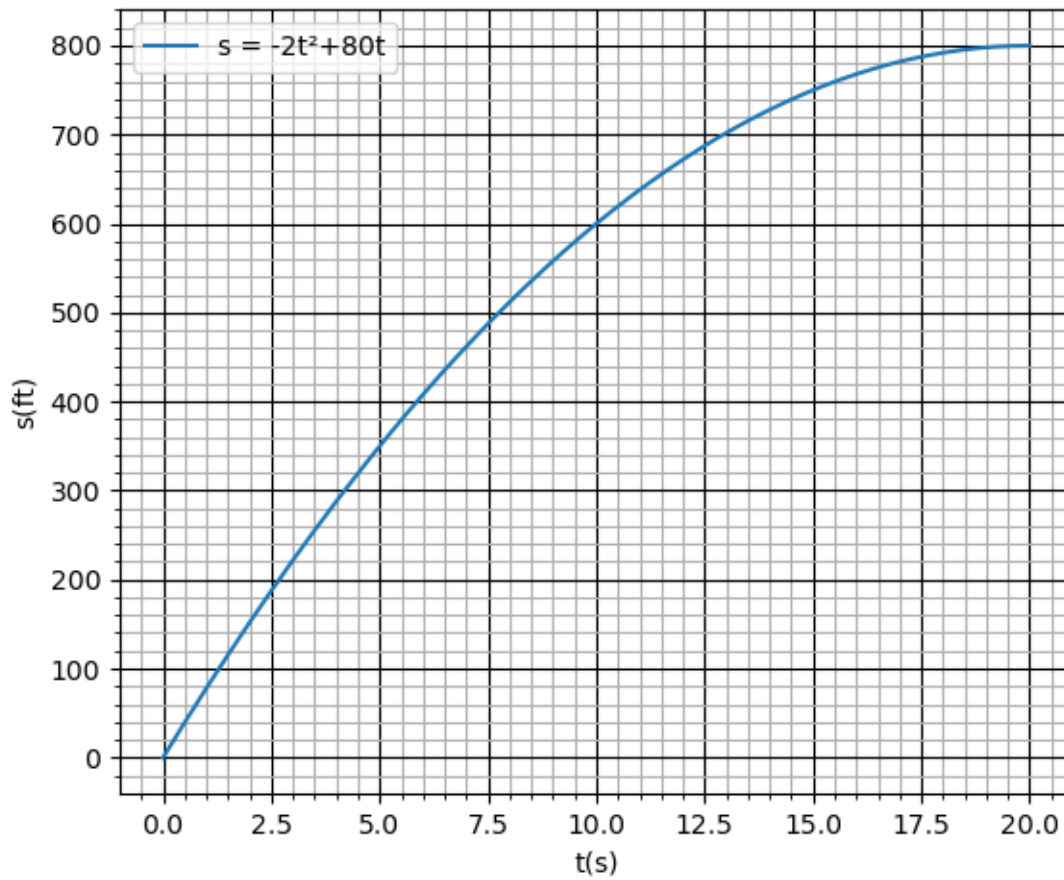


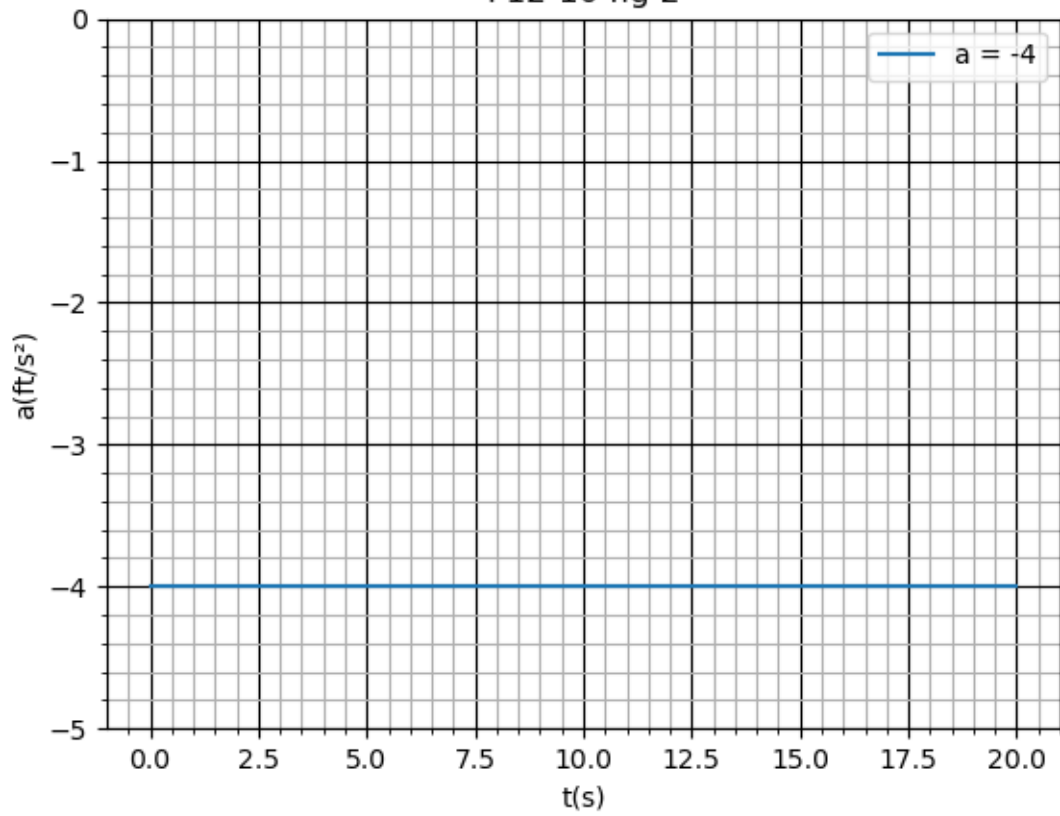
F12-9 v-t graph



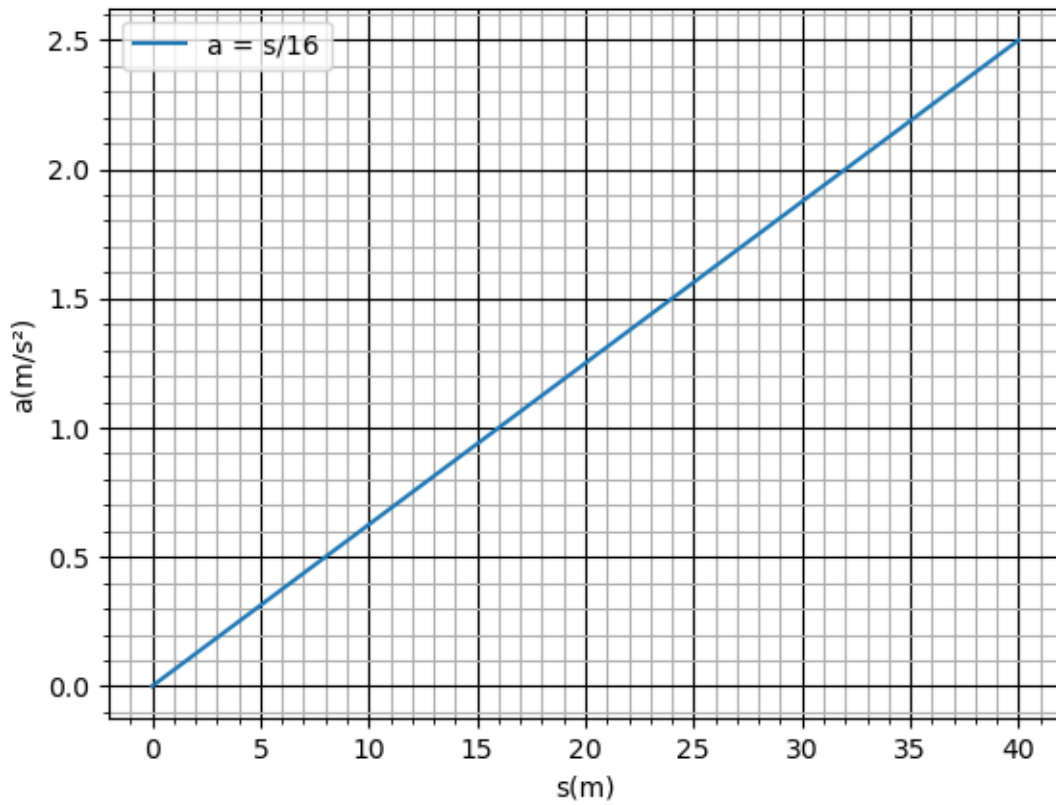
F12-10 fig 1



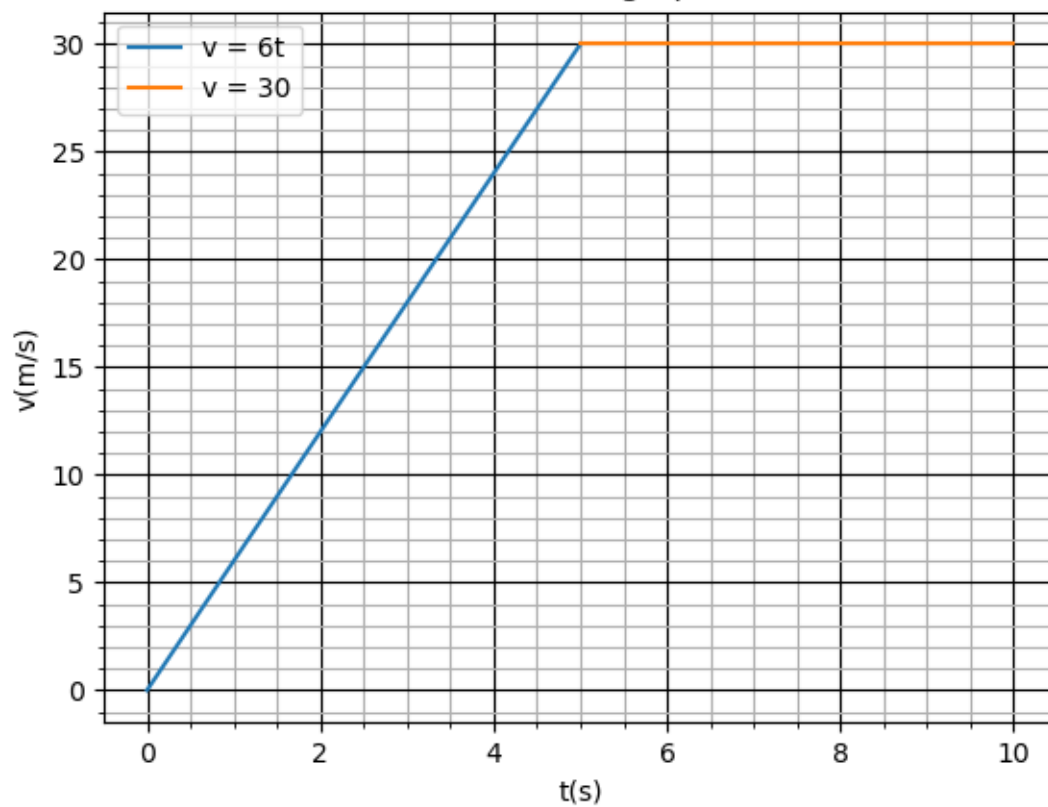
F12-10 fig 2



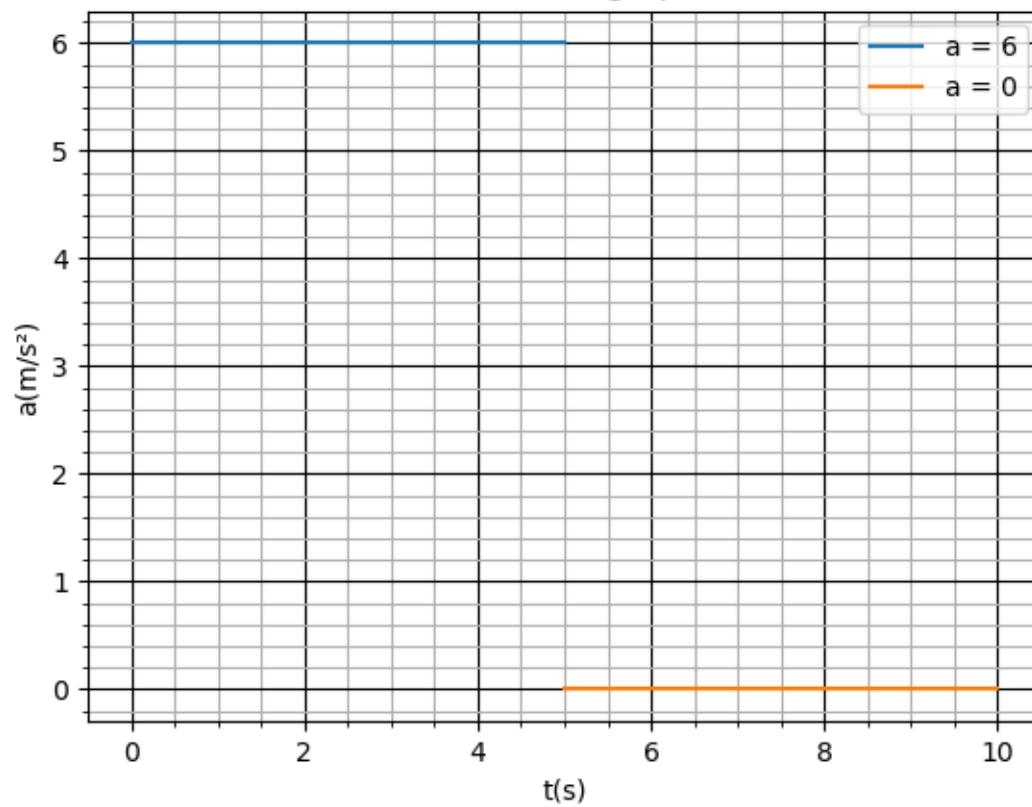
F12-11 a-s graph



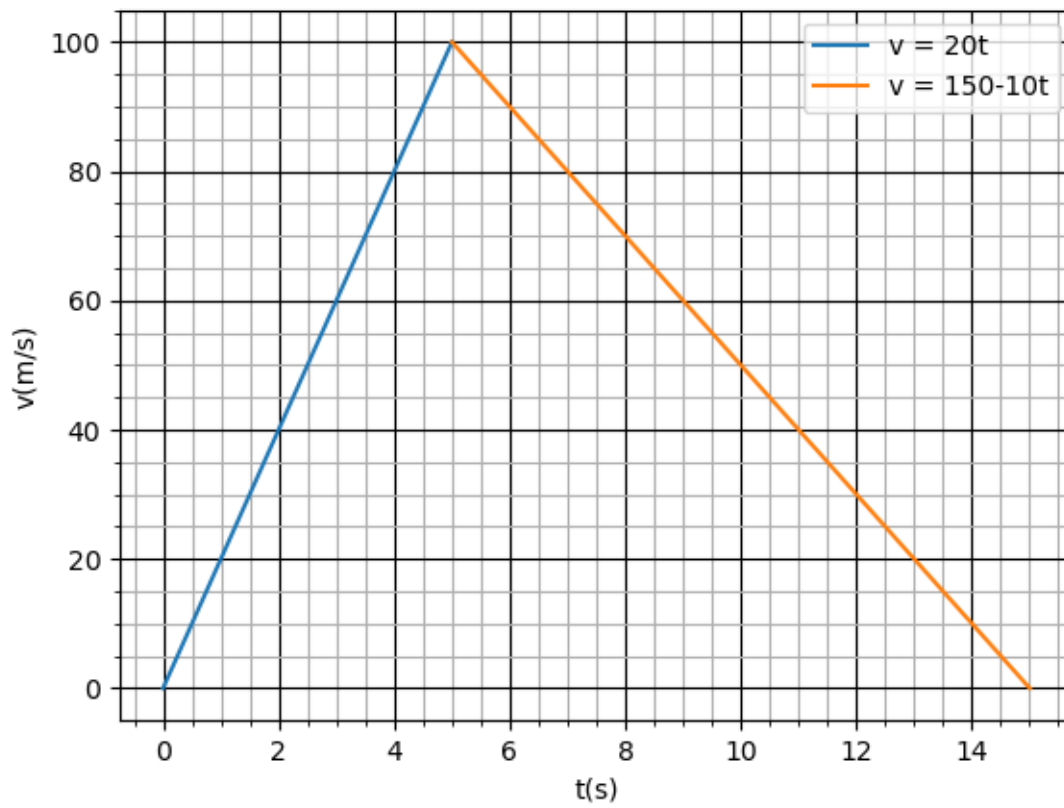
F12-12 v-t graph



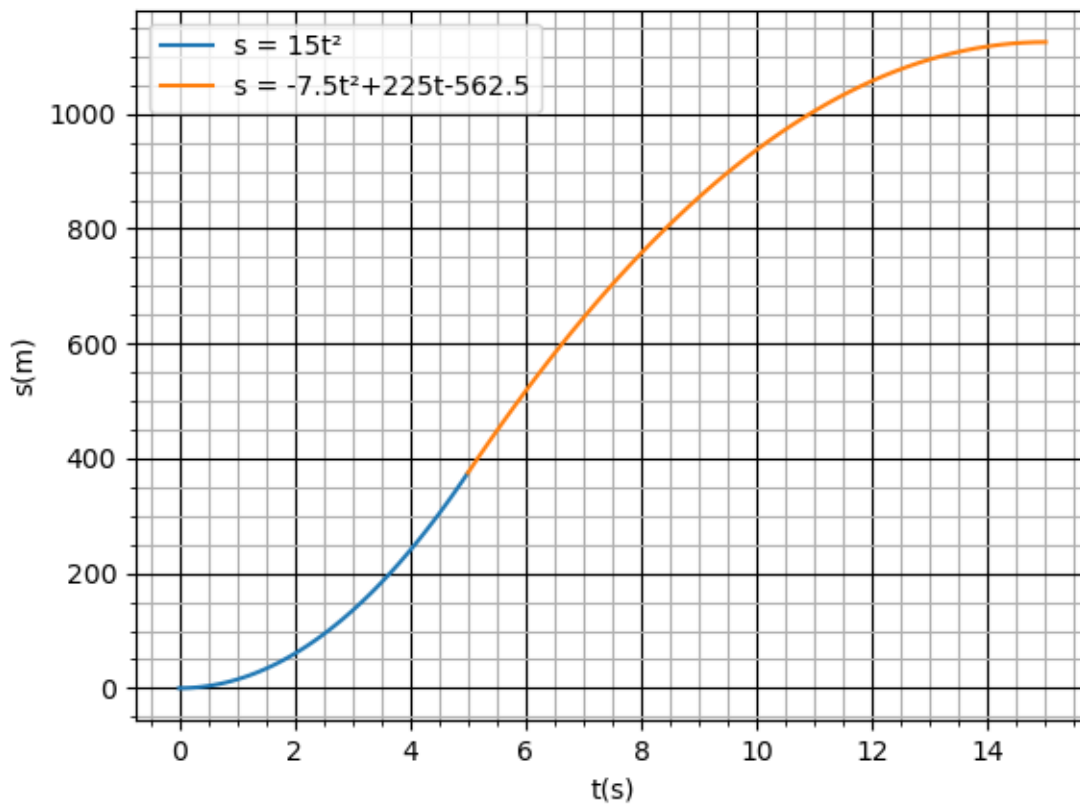
F12-12 a-t graph



F12-13 v-t graph



F12-14 s-t graph



During the time interval $0 \leq t \leq 15$

$$s(15) = -7.5(15)^2 + 225(15) - 562.5$$
$$= 1125.0 \text{ m } \underline{\text{ans}}$$

