## Suggested problems 9

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1. A 60 kg skydiver jumps out of a plane with no initial velocity. Assuming the magnitude of air resistance is given by $0.8|v|$, find his velocity after $T=10 \mathrm{~s}$ after jump. If he jumped out at the height $h=2 \mathrm{~km}$, what was the altitude of his position at the time $T ?$
