Free-Fall

- 1. Throwing a Rock.
 - a. A rock is thrown upward from a 50 m high cliff with an initial speed of 20 m/s. Five seconds after release its speed is closest to...? (Let $g = 10 \text{ m/s}^2$)

b. A rock is thrown upward from a 50 m high cliff with an initial speed of 20 m/s. The maximum height of the rock (measured from atop the cliff) is closest to...? (Let $g = 10 \text{ m/s}^2$)

2. A stone dropped down a well accelerates with a constant value of $g = 10 \text{ m/s}^2$ and hits the bottom after a time t = 3.0 s. The depth of the well is closest to...?