

Q1 - Answer = c

Q2 - Problem A - Last name A-K

- A ball is dropped from a height of 8 m.
How long does it take to hit the ground?

Use $g = 9.8 \text{ m/s}^2$.

- a) 1.3 s $t = (2y/g)^{1/2} = (2 \times 8/9.8)^{1/2} = 1.3 \text{ s}$
- b) 1.6 s
- c) 4.9 s
- d) 8.9 s
- e) 12.7 s

Q1 - Answer = c

Q2 - Problem B - Last Name L-Z

- A ball is dropped from a height of 12 m.
How long does it take to hit the ground?
Use $g = 9.8 \text{ m/s}^2$.
- a) 1.3 s
- b) 1.6 s $t = (2y/g)^{1/2} = (2 \times 12/9.8)^{1/2} = 1.6 \text{ s}$
- c) 3.1 s
- d) 4.9 s
- e) 7.2 s