

A-CED Throwing a Ball

Task

A ball thrown vertically upward at a speed of v ft/sec rises a distance d feet in t seconds, given by

$$d = 6 + vt - 16t^2$$

Write an equation whose solution is

- The time it takes a ball thrown at a speed of 88 ft/sec to rise 20 feet.
- The speed with which the ball must be thrown to rise 20 feet in 2 seconds.



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