http://ionaphysics.org/lab/Physlets/Accelerated.html

$$d = v\,t$$

$$a = (v_f - v_i)/t \qquad \Rightarrow \quad v_f = v_i + at$$

$$v = (v_f + v_i)/2$$

An object starts at rest and accelerates at 2 m/s^2. How far will it move in 8 s?

d equals vit plus half a t squared.
d equals vit plus half a t squared.
d equals vit plus half a t squared;
    and don't leave out units, you'll incur the wrath!
Time is the only scalar here. A,V and d are vectors.
Solo:
Distance and time, your secrets we've shared.
d equals vit plus half a t squared.
Yes, d is vit plus half a t squared,
    And I never make the left-out-units gaffe!
Time is the only scalar here. A, V, and d are vectors.
All:
d equals vit plus half a t squared,
And please don't forget to check the math!

How far will a freely falling object move in 4.2 seconds?

Textbook page 82

#97 An astronaut drops a feather from 1.2 m above the surface of the Moon. If the acceleration due to gravity on the Moon is 1.62 m/s^2 downward, how long does it take the feather to hit the Moon's surface?

http://ionaphysics.org/lab/HammerAndFeatherOnMoon.mpg

A police motorcycle is passed by a driver moving at a constant 88 f/s (=60 mi/hr). At the instant the car passes the motorcycle, the officer begins to accelerate at 10 ft/s^2. How long will it take for the motorcycle to overtake the car.