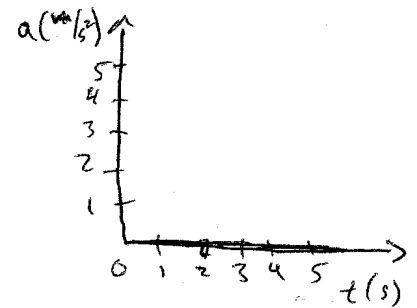
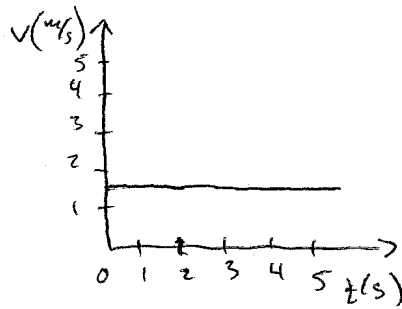
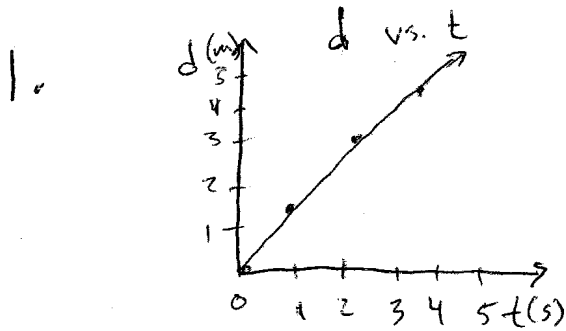
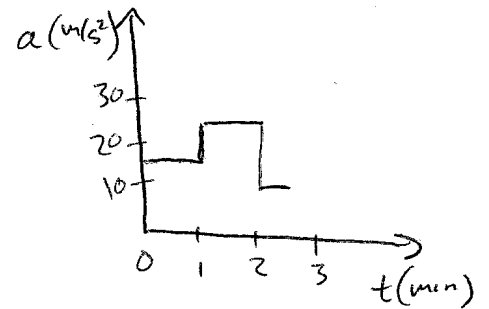


PHY 101

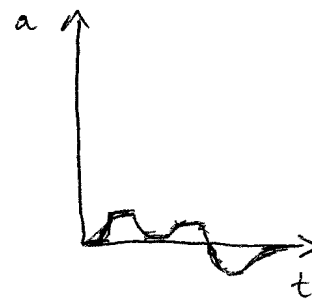
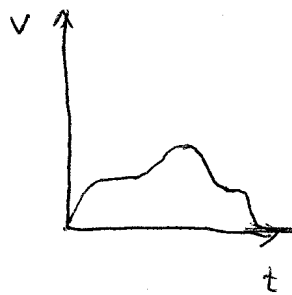
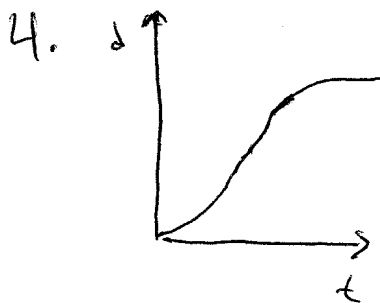
GRAPHING HW SOLUTIONS



2. n/a



3. A) 1 cm/s^2 B) 0 cm/s^2 C) no, $a = 1 \text{ cm/s}^2$



5. The slope of the acceleration vs. time graph represents a change in acceleration per change in time. This is sometimes called "jerk".

6. You can determine the object's speed at any point in time. You can tell its direction and whether it is speeding up or slowing down.

7. Acceleration on a distance vs. time graph would be represented by a quadratic function (i.e. x^2) or higher order function (i.e. x^3 or x^4 , etc).

8. The greater the velocity.

9. A straight line, quadratic (x^2) line

10. A) a represents constant velocity

b represents standing still

c represents a large constant velocity, (i.e. larger than part a).

d represents standing still

e represents acceleration

