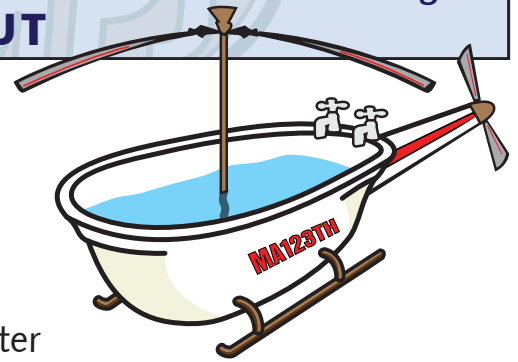


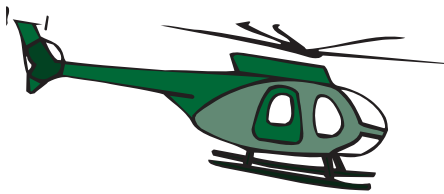
## STUDENT HANDOUT

# TUBICOPTERS & MORE

## HELICOPTER



- 1) Why does the graph plot horizontally when the helicopter stays stationary?
- 2) Why does the graph plot horizontally when the helicopter goes up?
- 3) Why does the graph plot oblique lines (diagonally) when the helicopter goes forward?



- 4) Why does the graph plot downward when the helicopter goes backwards? Is there a way to get the graph to "plot backwards?"

- 5) What determines the steepness of the graph?
- 6) If a horizontal line implies being in the same place at all times, what would a vertical line imply?

- 7) Sketch a graph of the time and distance for a helicopter that goes fast to the halfway point, hovers for awhile, then goes backwards fast until it is just shy of the starting point, then goes forward again slowly.

