Frog

Time (seconds)	Height (ft)
0.0	0.2
0.1	1.24
0.2	1.96
0.3	2.36
0.4	2.44
0.5	2.2
0.6	1.64
0.7	0.76
0.8	−0.44
0.9	−1.96
1.0	−3.8
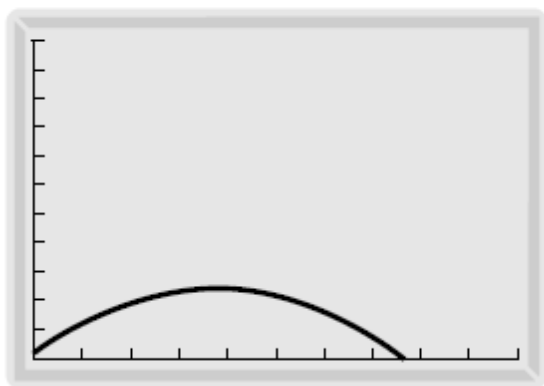
Flea

Time (seconds)	Height (ft)
0.0	0.0
0.1	0.64
0.2	0.96
0.3	0.96
0.4	0.64
0.5	0.0
0.6	−0.96
0.7	−2.24
0.8	−3.84
0.9	−5.76
1.0	−8
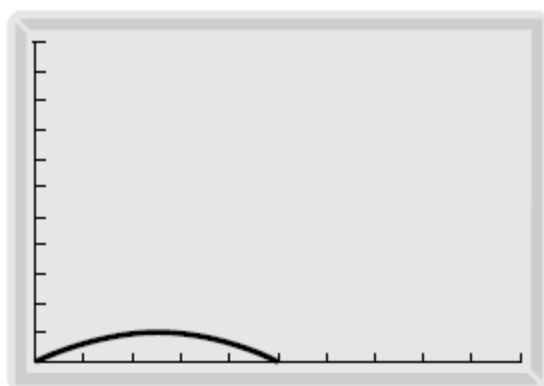
Basketball Player

Time (seconds)	Height (ft)
0.0	6.5
0.1	7.94
0.2	9.06
0.3	9.86
0.4	10.34
0.5	10.50
0.6	10.34
0.7	9.86
0.8	9.06
0.9	7.94
1.0	6.5

$$h = -16t^2 + 12t + 0.2$$

$$h = -16t^2 + 8t$$

$$h = -16t^2 + 16t + 6.5$$
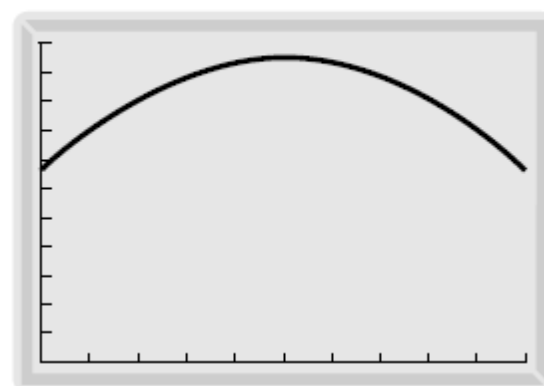
For all graphs: Intervals on x-axis = 0.1 second   Intervals on y-axis = 1.0 foot

Problem 4.2