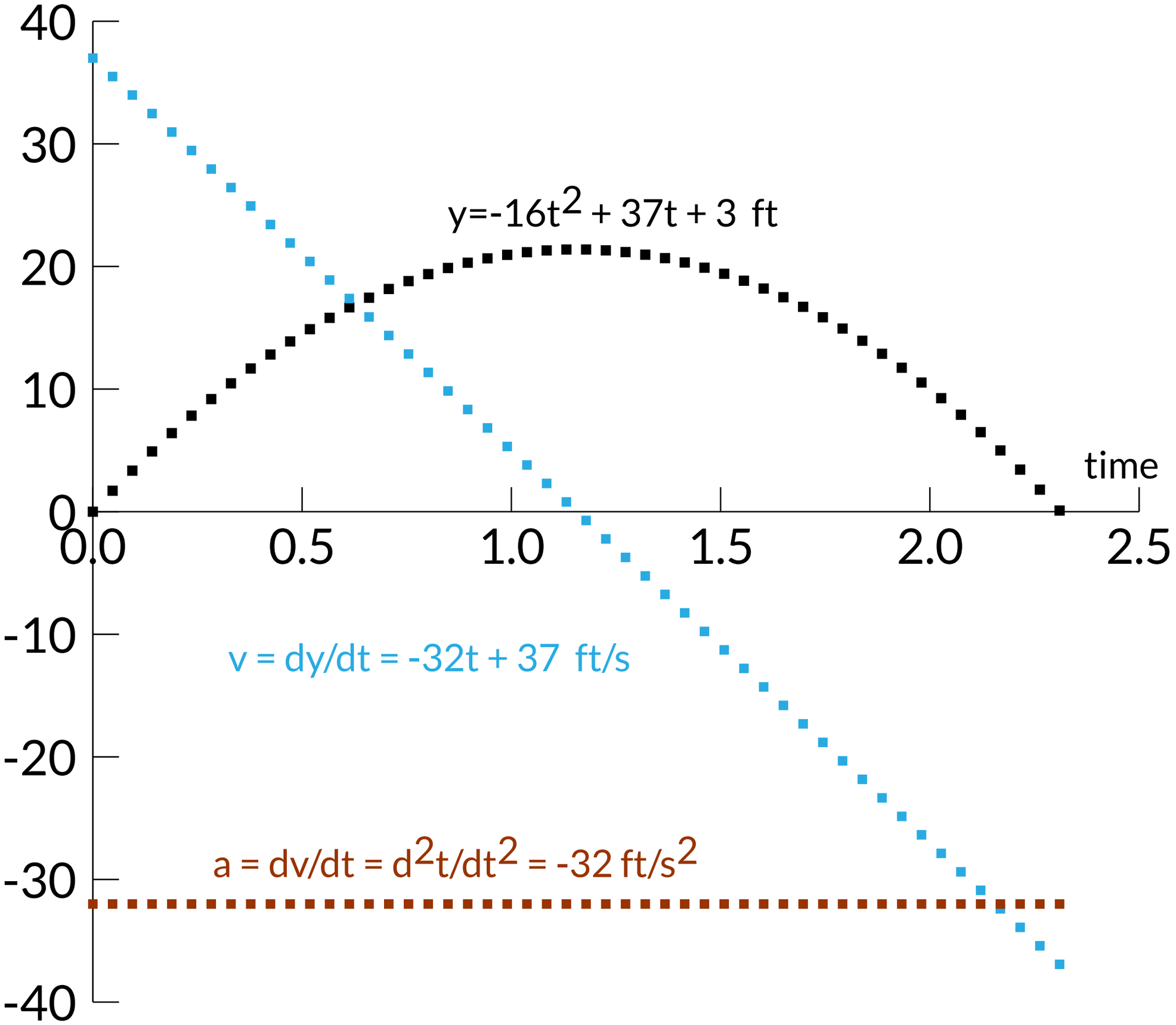
40
30
20
10
0
-10
-20
-30
-40
0.0
0.5
1.0
1.5
2.0
2.5
time
y=-16t2 + 37t + 3 ft
v = dy/dt = -32t + 37 ft/s
a = dv/dt = d2t/dt2 = -32 ft/s2