

Some Easy Projectile Problems

1. A root beer float slides off the end of a 4-ft-high drugstore counter with an initial speed of 3 ft/s. When does it hit the floor? How far (horizontally) from the end of the counter does it land? (0.4984 sec, 1.50 ft)

2. A plane flying horizontally at 500 ft/s drops a bomb just as it crosses a coastline. The bomb lands two miles from the coast. At what height is the plane flying? (7181 ft)