Any initial height projective problem:

The projectile is fired from an initial height (h) at the angle of release (A)

The equations of motion:

x = tV0cosA

y = tV0sinA – 0.5gt2

t = x/(V0cosA)

y as a function of x:

y = xtanA – (1 + (tanA)2)gx2/(2(V0)2)

h = y = xtanA – (1 + (tanA)2)gx2/(2(V0)2)

This is a quadratic equation with respect to x, by solving this equation, we will find the answer to the question.

In your case h = 2m, V0 = 5m/s, A = 45o.