Projectile Motion question
Invaders decided to attack a city using a trebuchet. The trebuchet fires projectiles $50.0^{\circ}$ above the horizontal at $49 \mathrm{~m} / \mathrm{s}$ from a height of 10 m . The castle wall is 125 m from the base of the trebuchet and is 75 m high. Will the trebuchet projectile go over the wall and hit the city?

