

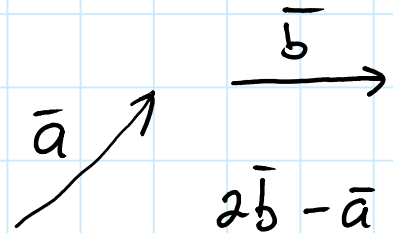
Vector & Projectile Review

Friday, March 10, 2017 10:26 AM

Test Tuesday - 40 marks

T/F } concepts } 8
M.C. } easy calcs }

vector drawing } 6



written - 2 vectors } 26
- 5 projectiles }

Word problems

• cross the river

• boat displacement

• plane flying
components



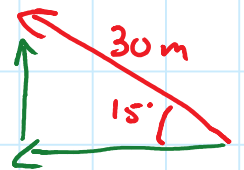
mag, direction

Components

adding

subtracting
↳ add opposite

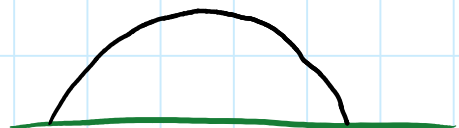
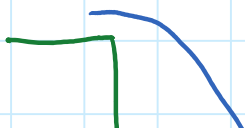
trigonometry

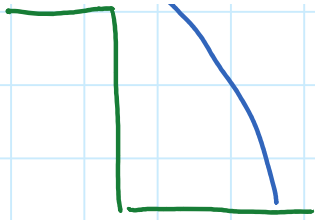


Type I

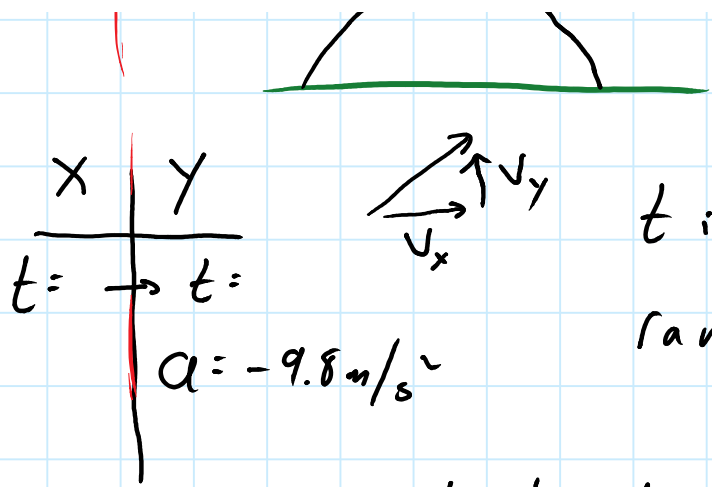
Projectiles

Type II





$v_{0y} = 0$
 $d_y = \text{negative}$
 $t \text{ in air}$
 $\text{range} = d_x$



$a = -9.8 \text{ m/s}^2$
 $t \text{ in air}$
 $\text{range} = d_x$
 • velocity at a given time or height
 $+ \uparrow \quad - \downarrow$