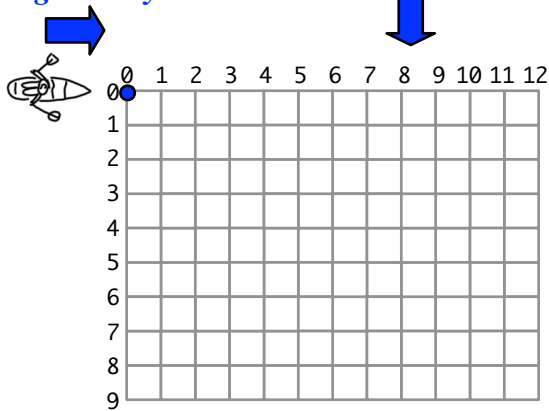


Week 21 2D Motion

3. V_x and V_y

Name: _____

rowing velocity = 4 m/s current velocity = 2 m/s



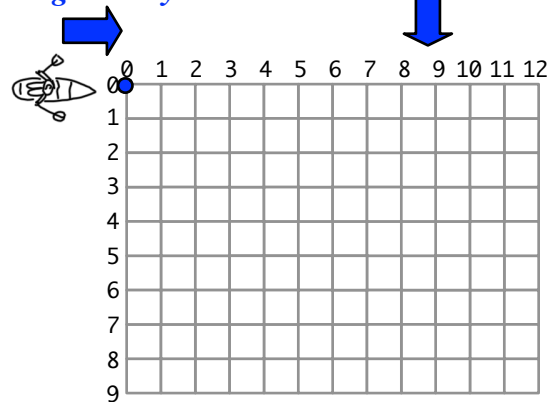
First solve for the time it takes the boat to cross 12 m

$(D_x) = (V_x)(t)$

Then solve for how far down the current carries the boat

$(D_y) = (V_y)(t)$

rowing velocity = 3 m/s current velocity = 2 m/s



First solve for the time it takes the boat to cross 12 m

$(D_x) = (V_x)(t)$

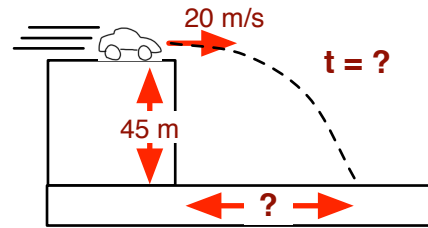
Then solve for how far down the current carries the boat

$(D_y) = (V_y)(t)$

Week 21 2D Motion

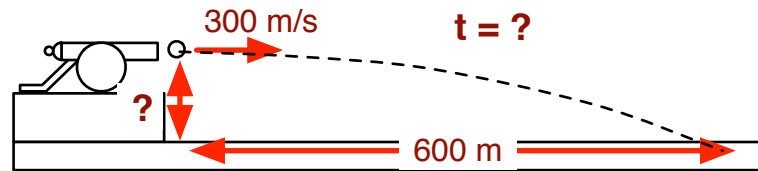
4. Horizontal Projectiles

Name: _____



Dx	Vx	t

Dy	-5	t



Dx	Vx	t

Dy	-5	t ²