

Expression Student Challenge #1

- 1 . Triangle area
area = $\frac{1}{2}bh$

```
base = int (input ('enter base'))  
height = int (input('enter height'))  
area = 1/2 *base*height #  $\frac{1}{2}bh$   
print(area)
```

- 2 . Rhombus area

```
a=float(input('enter side a'))  
b=float(input('enter side b'))  
h=float(input('enter side h')) # 3 inputs are typecasted by float  
area= 1/2*(a+b)*h #  $\frac{1}{2}(a+b)h$   
print(area)
```

- 3 . Displacement

```
v = float(input('enter v value')) # v - final  
u = float(input('enter u value')) # u - initial velocity  
a = float(input('enter a value')) # a - acceleration  
d=(v**2-u**2)/(2*a) # d - displacement  
print(d)
```