



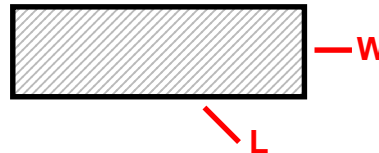
# Math Study Strategies

## Areas

The **area** of a figure is the number of square units enclosed by the figure. It is measured in square units. ( ex. square in, square ft, m<sup>2</sup>, cm<sup>2</sup>, etc.) The following formulas are used:

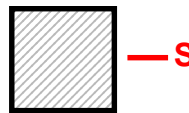
### Area of a rectangle

**A = L x W**  
(L= length W= width)



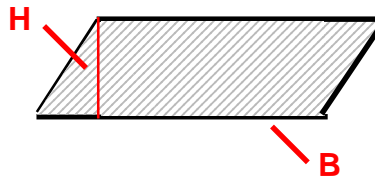
### Area of a square

**A = S<sup>2</sup>**  
(S= side)



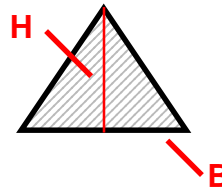
### Area of a parallelogram

**A = B x H**  
(B= base H= height)



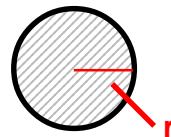
### Area of a triangle

**A = .5 x B x H**  
(B= base H= height)



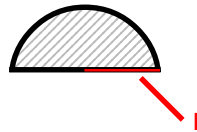
### Area of a circle

**A = πr<sup>2</sup>**  
(r= radius)

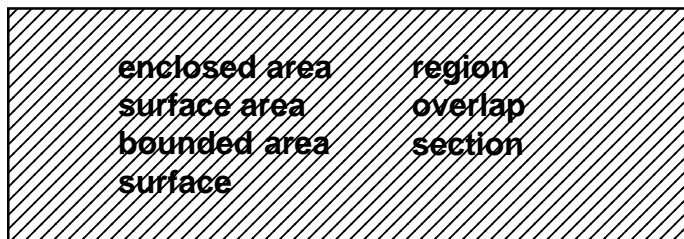


### Area of a half circle

**A = (πr<sup>2</sup>) ÷ 2**  
(r= radius)



Key words for **area** in word problems:



For more information about this and other math topics, come to the Math Lab 722-6300 x 6232. Caproiu & Hall, 2000. Created by Varaz and Vasag Bozoghlianian.