Notes 6-1: Area and Perimeter

Area is the number of square units needed to cover a surface.

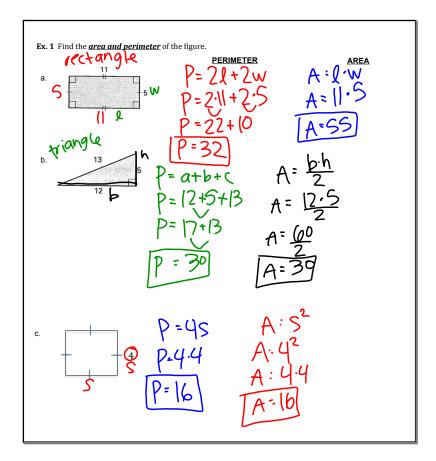
Area is measured in Units Squared

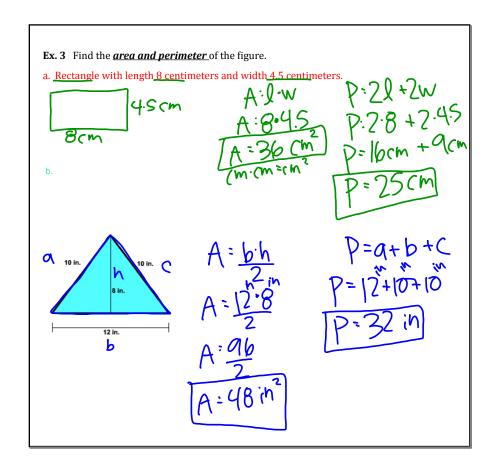
Perimeter

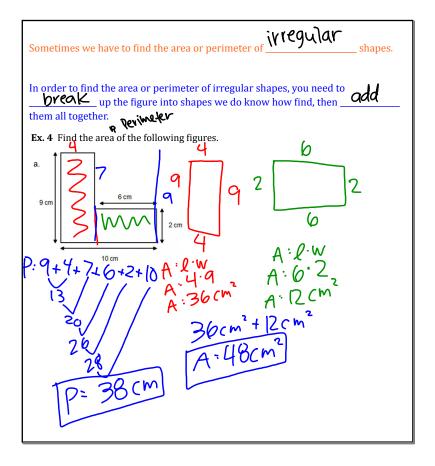
__ is the distance around a figure.

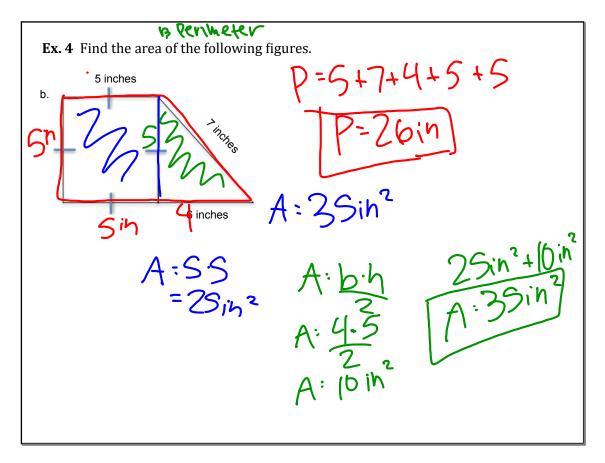
Perimeter is measured in given units

Shape	Area	Perimeter
 	Area of rectangle = Length x Width	Perimeter of rectangle = 2length +2width
N	A = Iw	P = 2l + 2w
	Area of square = side x side	Perimeter of square = 4 x side
5	$A = s^2$	P = 4s
,	Area of triangle = ½ x Base x Height	Perimeter of triangle =
Height Base	$A = \frac{1}{2}bh A : b \cdot h$	P = a + b + c
e h bu		





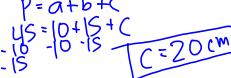




Ex. 5 Solve the following.

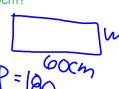
a. What is the length of the third side of a triangle if one side measures 10cm, the second measures 15 cm and the perimeter is

p=45*



b. How wide is a rectangle if the length is 60cm and the perimeter is

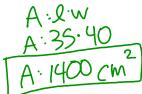
180cm?



P=21+2w 180 = 120 + 2w 180 = 120 + 2w 120 = 120 60 = 2w 130 = w

1. A painting measures 40 cm by 35cm. How many squared cm does its <u>surface cover?</u>





d. If the area of a rectangle is 60 cm² and its width is 6 cm.

What is its length?





