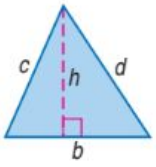
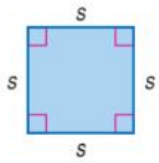
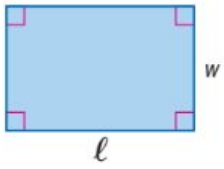
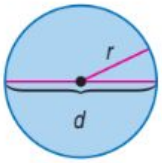
KeyConcept Perimeter, Circumference, and Area

Triangle	Square	Rectangle	Circle
			
$P = b + c + d$	$P = s + s + s + s$ $= 4s$	$P = \ell + w + \ell + w$ $= 2\ell + 2w$	$C = 2\pi r$ or $C = \pi d$
$A = \frac{1}{2}bh$	$A = s^2$	$A = \ell w$	$A = \pi r^2$

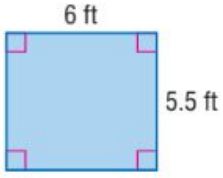
P = perimeter of polygon; A = area of figure; C = circumference

b = base, h = height; ℓ = length, w = width; r = radius, d = diameter

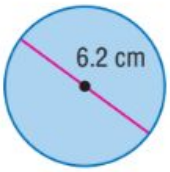
1. Find the area and perimeter of the rectangle with length of 12 inches and width of 5 inches.

2. Find the perimeter/circumference and area of each figure below:

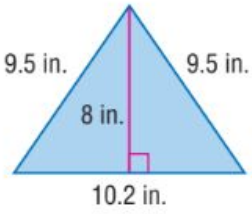
2A.



2B.



2C.



3. The diameter of a circle is $8\ cm$. Find the Area and Perimeter.

4. Find the area and perimeter of a triangle defined by $D(1,3)$ $E(8,3)$ and $F(4,7)$