

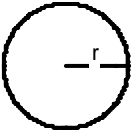
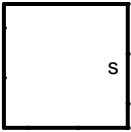

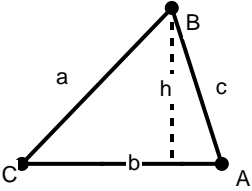
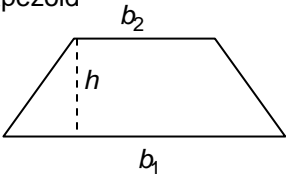
Review for Calculus 2

You should be familiar with the following:

1. **Force** is mass times acceleration: $F = ma$.
2. Distance traveled is average rate times time: $D = rt$

3. Geometric Formulas

a. Area & perimeter plane figures - circle, square, rectangle, triangle, trapezoid

Figure	Area	Perimeter (or circumference of a circle)
Circle 	$A = \pi r^2$, r radius	$C = 2\pi r$, r radius
Square 	$A = s^2$, s side	$P = 4s$, s side
Rectangle 	$A = bh$, b base, h height	$P = 2b + 2h$, b base, h height
Triangle 	$A = \frac{1}{2}bh$, b base, h height. $Area_{\Delta} = \frac{1}{2}bc \sin A$, b & c are <i>any</i> two sides and angle A is between b and c .	$P = a + b + c$, where a , b and c are sides.
Trapezoid 	$A = \frac{1}{2}(b_1 + b_2)h$, b_1 and b_2 are bases and h is height.	