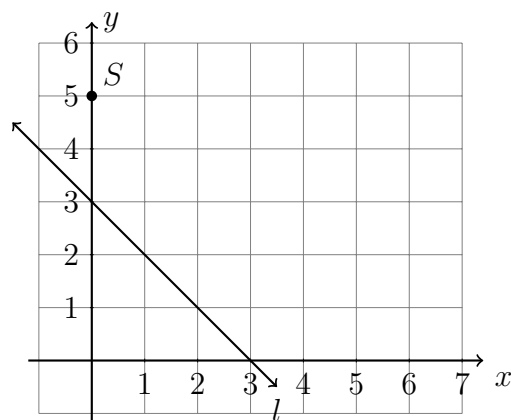
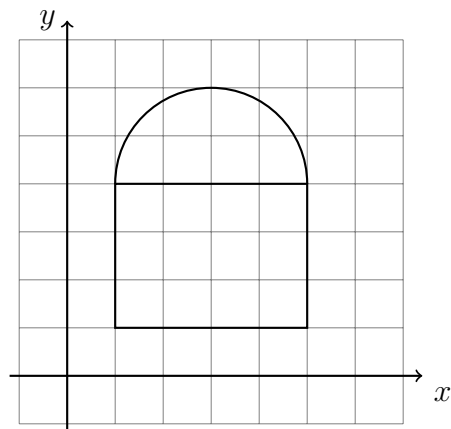


Name:

BECA / Dr. Huson / Geometry 04 Analytic Geometry

4.7 Review: Transversal, Volume, Area1. The line l is shown on the grid below.(a) Write down it's slope, y -intercept. $m =$ $b =$ (b) Write down the equation of line l .(c) Draw a line parallel to line l though point S .

(d) Write down the equation of the second line.

2. Find the area A and circumference C of a circle with radius 5 feet (in terms of π).3. Find the area of the shape shown below composed of a rectangle and circular cap. Leave your answer as an exact value in terms of π .

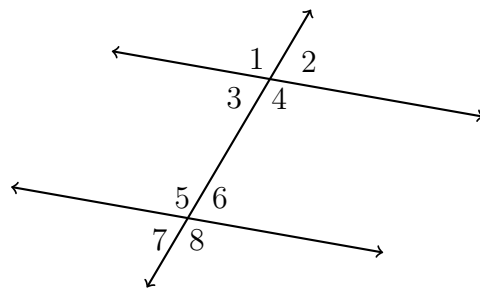
4. A waffle cone has a radius of 2 inches and height of 4 inches.

(a) Write down the general formula for the volume of a cone.

(b) Find the volume of the waffle cone.

5. Find $m\angle 1$ given two parallel lines and a transversal, with

$$m\angle 1 = 2x + 58 \quad m\angle 6 = 5x - 18$$



6. An angle bisector is shown below, with \overrightarrow{PR} bisecting $\angle QPS$. Given $m\angle QPR = 3x - 12$ and $m\angle QPS = 5x + 4$, find $m\angle QPS$.

