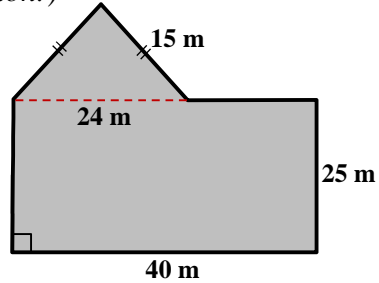
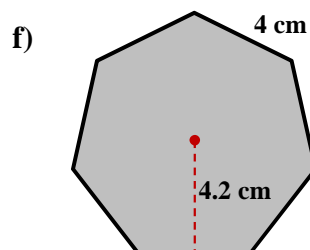
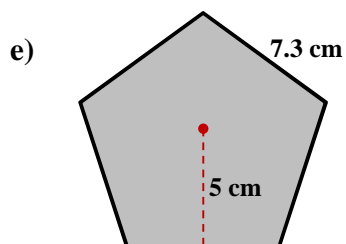
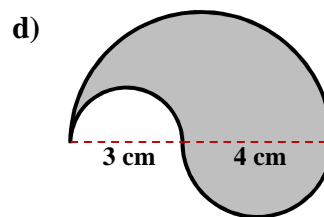
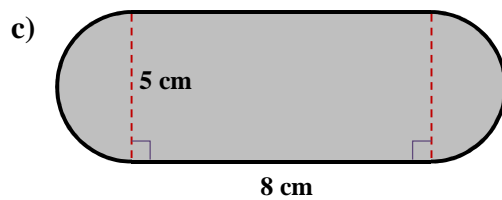
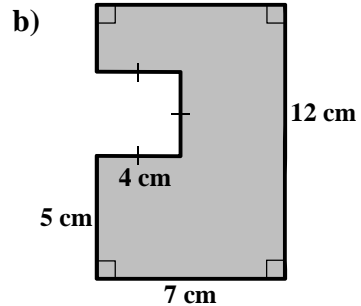
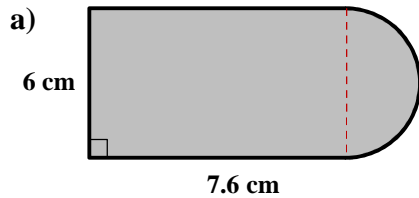


## MPM 1DI – Area & Perimeter Review

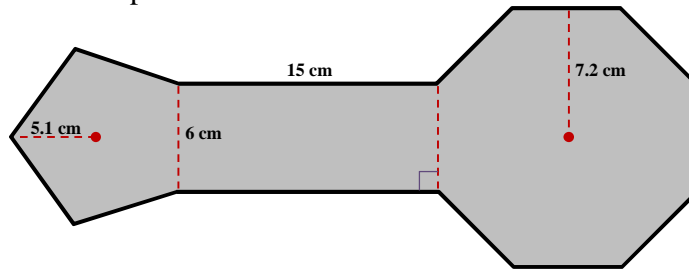
1. Calculate the **perimeter and area** of the following figure. (*Hint: you will need to use the Pythagorean Theorem in your solution!*)



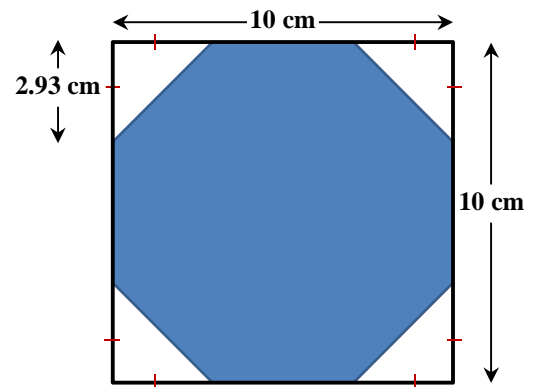
2. Calculate the **perimeter and area** of each shaded region. Show your work and include units.



3. Calculate the **area** of this shape:

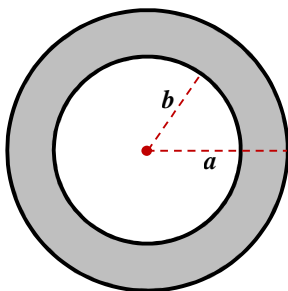


4. Michelle's elementary class is constructing a quilt. Each student is given a square piece of fabric that is 10 cm on each side. Michelle has created a pattern to the right that each student can use to cut a regular octagon from each square. The octagons will then be sewn together to form the quilt. How much material will be left over each time an octagon is cut from a square?

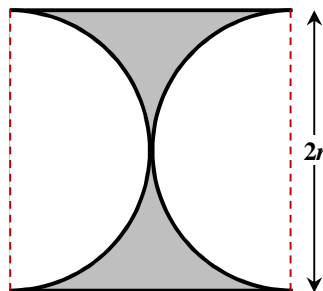


5. Calculate the shaded area of each figure:

a)



b)



c)

