

1. Create a polygon with the following set of properties

a) 4 sides
Regular polygon
 $P = 16\text{cm}$

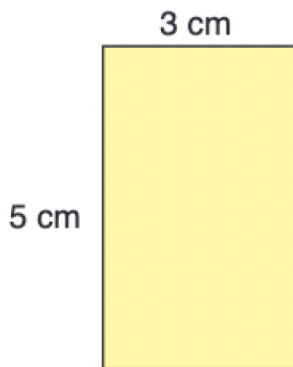
d) 6 sides
Irregular concave polygon
 $P = 32\text{ cm}$

b) 8 sides
Regular convex polygon
 $P = 24\text{ cm}$

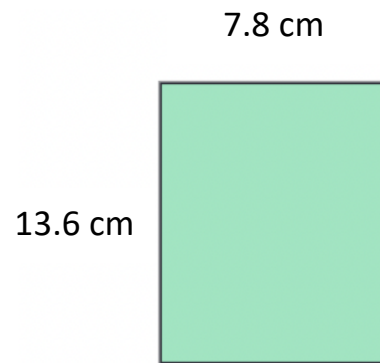
e) 3 sides
Acute isosceles triangle
 $P = 20\text{ cm}$

3. Find the **area** and **perimeter** of each rectangle shown below. Be sure to include the units!

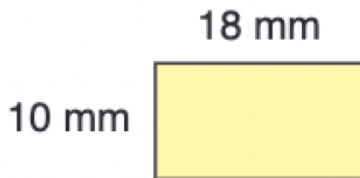
a)



d)



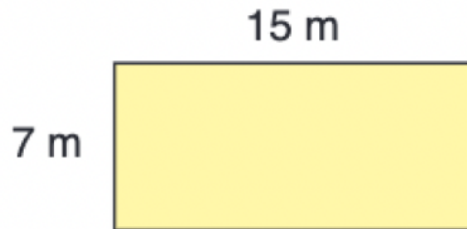
b)



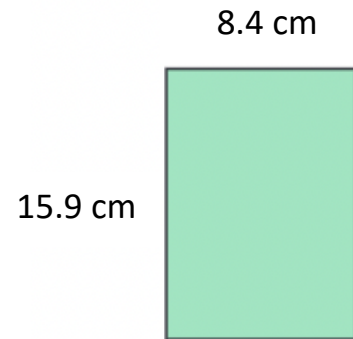
e)



c)



f)



4. Copy the chart below on to your lined piece of paper and fill in the missing values.

| Rectangle | Length (cm) | Width (cm) | Perimeter (cm) | Area (cm ²) |
|-----------|-------------|------------|----------------|-------------------------|
| A | 4 cm | 7 cm | | |
| B | 5 cm | 8 cm | | |
| C | 3.3 cm | 5.7 cm | | |
| D | 7.5 cm | 9.5 cm | | |
| E | 5.5 cm | 4.3 cm | | |
| F | 6.8 cm | 9.2 cm | | |
| G | 14.4 cm | 7.3 cm | | |