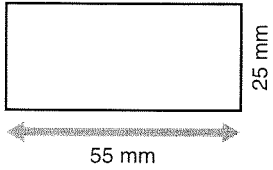


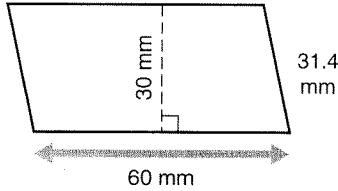
# MATH 230 SESSION #19

Use the value of  $\pi$  from your calculator or  $\pi \approx 3.1416$  to compute the perimeter or circumference to the nearest millimeter and the area to the nearest square millimeter of each figure in exercises 13 to 18. Then determine each area to the nearest .01 square centimeter. (*Hint:* In some cases the Pythagorean theorem will be needed to find the length of a side or hypotenuse of a right triangle, see section 6.4.)

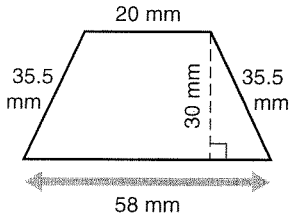
13. a. Rectangle



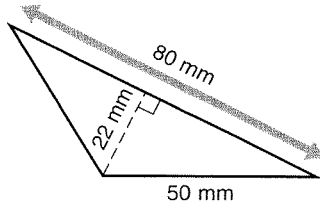
b. Parallelogram



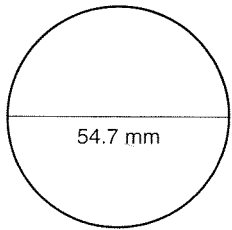
14. a. Trapezoid



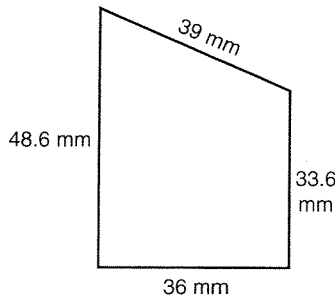
b. Scalene triangle



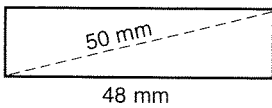
15. a. Circle



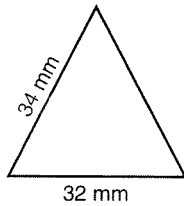
b. Trapezoid



18. a. Rectangle

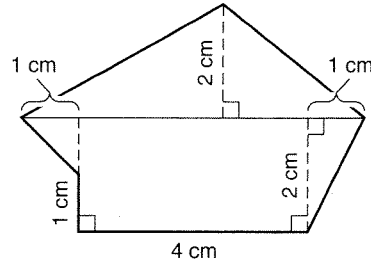


b. Isosceles triangle

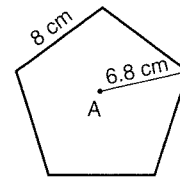


The area of a polygon can be found by subdividing it into smaller regions. Use this principle to find the area of the polygons in exercises 19 and 20 to the nearest .1 square centimeter.

19.



20. Regular pentagon with center A



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