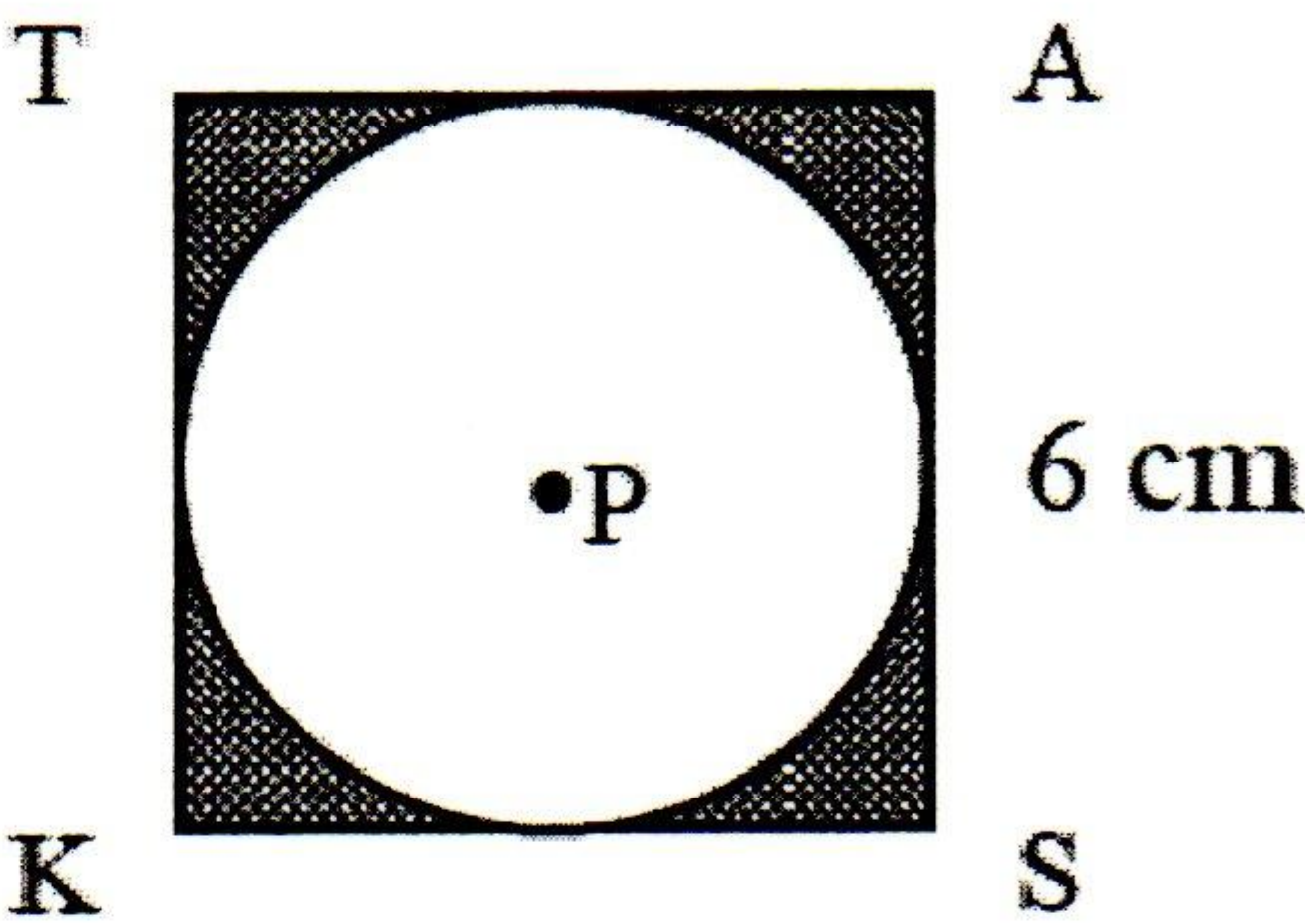
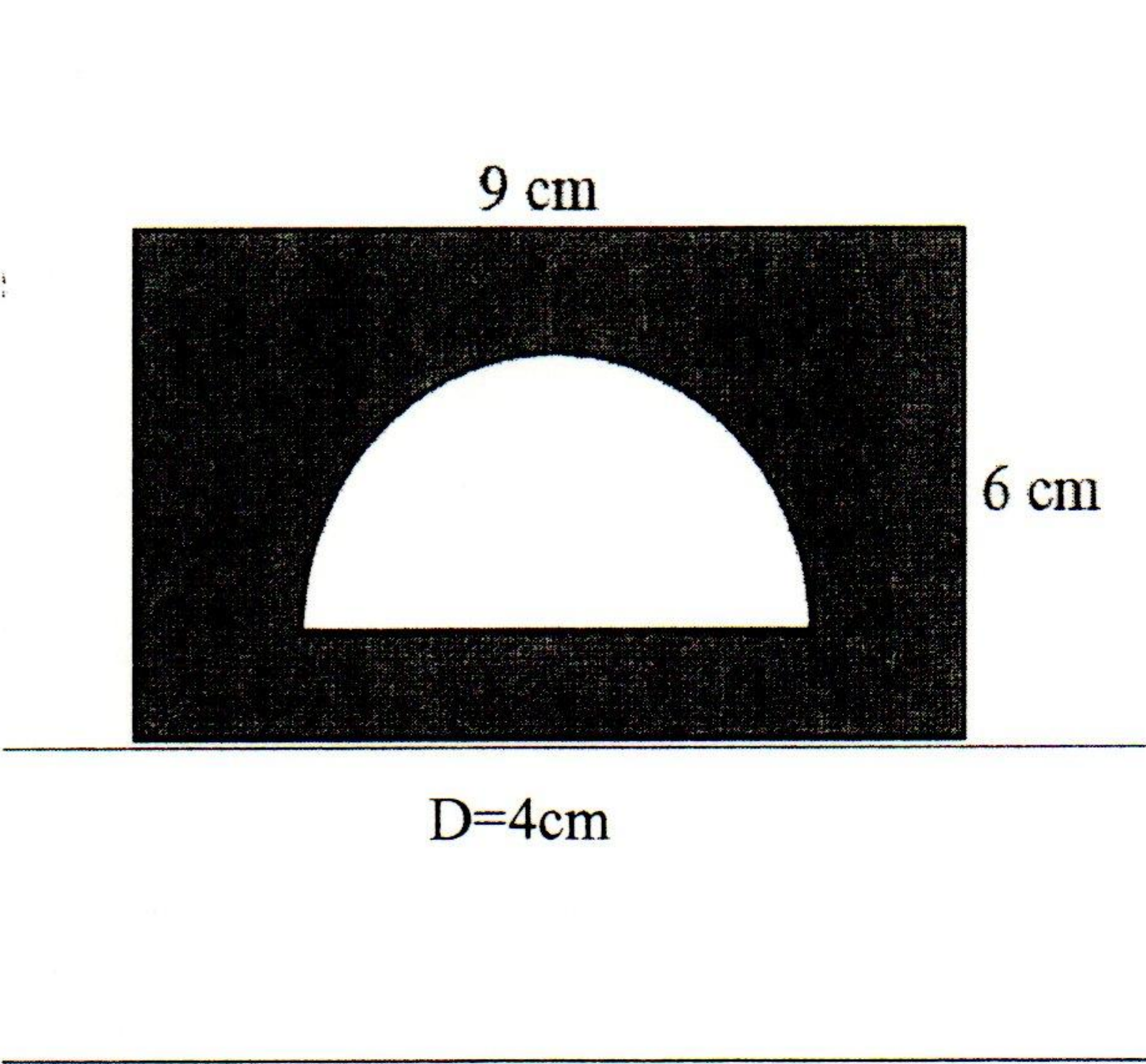


Area of shaded shapes

Exercise:

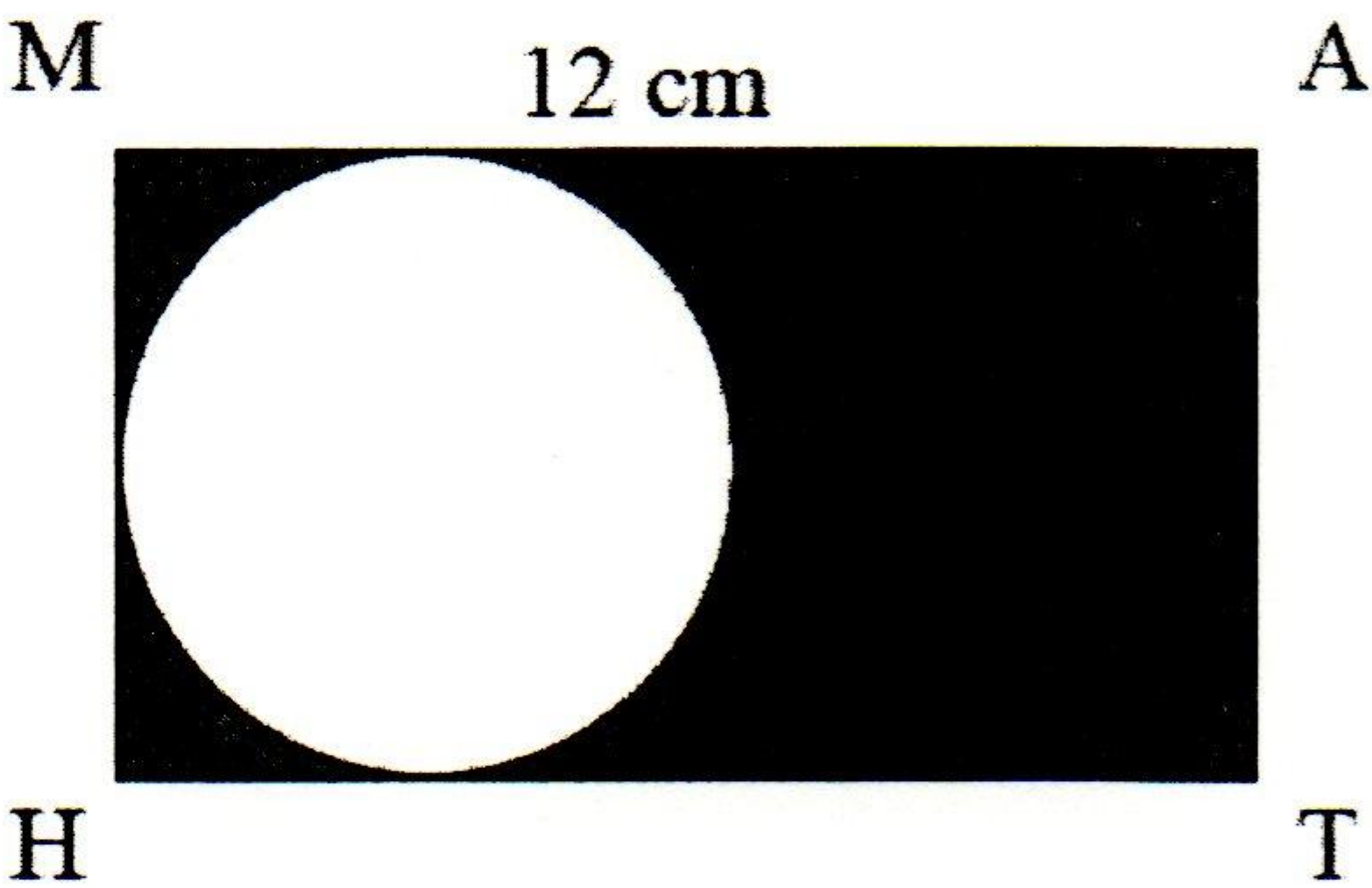
1. Calculate the area of the shaded shape



2. (a) Find the area of the square.
- (b) Find the exact area of the circle.
- (d) Express the area of the shaded region to the nearest hundredth.

3. In the following diagram MATH is a rectangle with an inscribed circle. The circle has a diameter of 8 centimetres and the rectangle has a height of 12 centimetres (as shown).

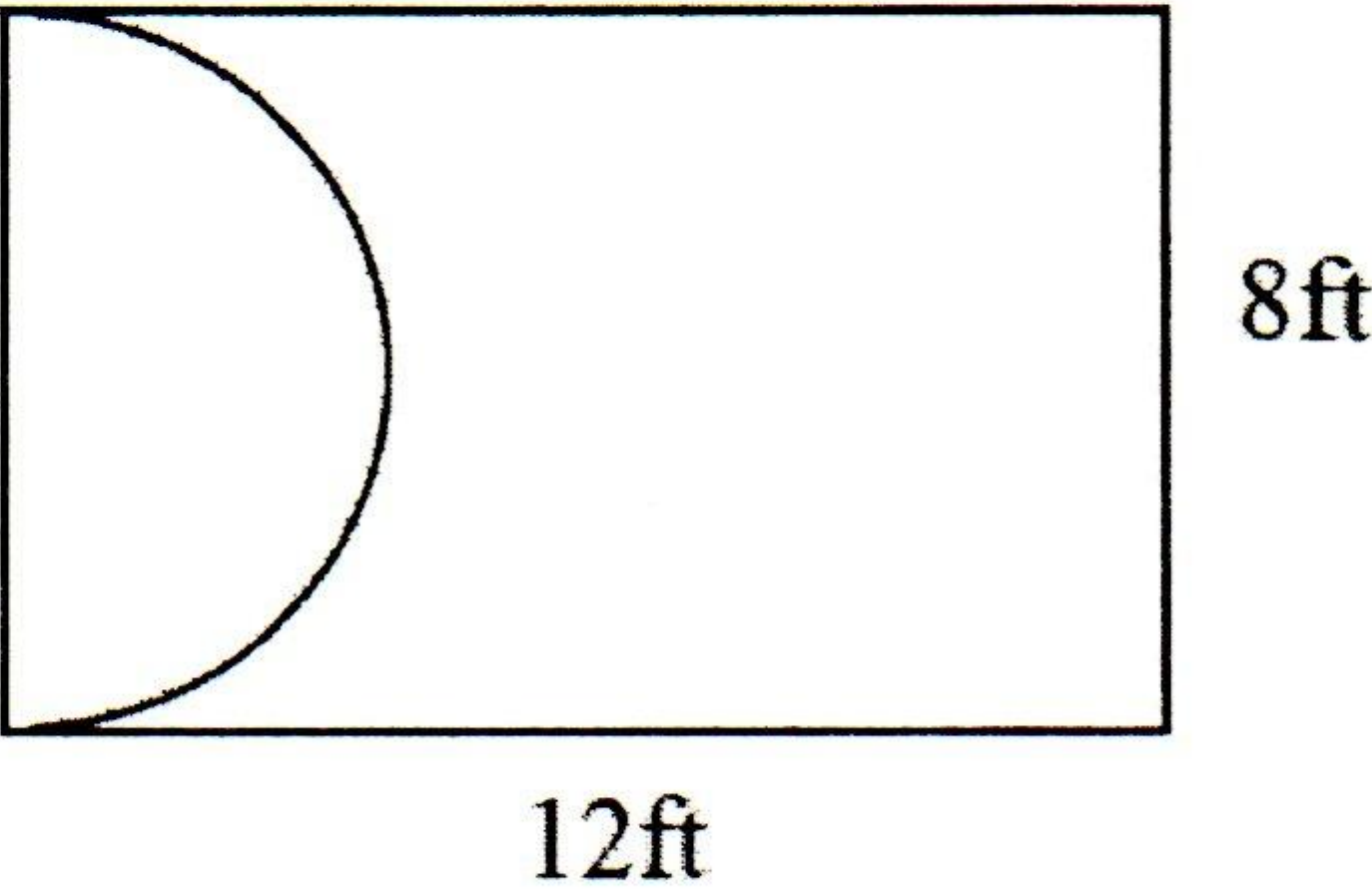
(a) Find the exact area of the shaded region.



(b) Find the area of the shaded region to the nearest tenth.

4. Mrs. White has a rectangular foyer in her home. She wants to lay hardwood flooring down on all of the area except for the semi circular area in front of the entrance door.

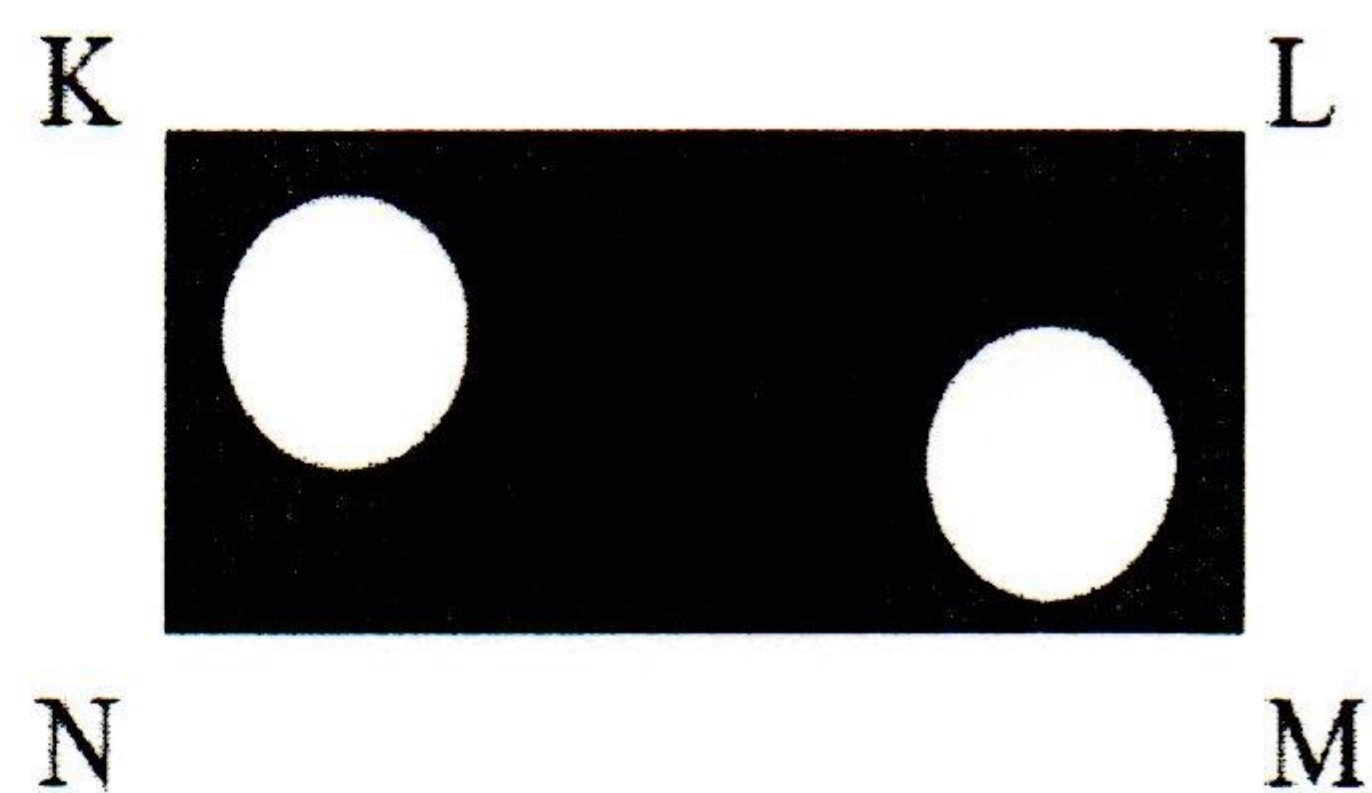
(a) Calculate to the nearest square foot how much hardwood flooring Mrs. White will need. Use the accompanying diagram below.



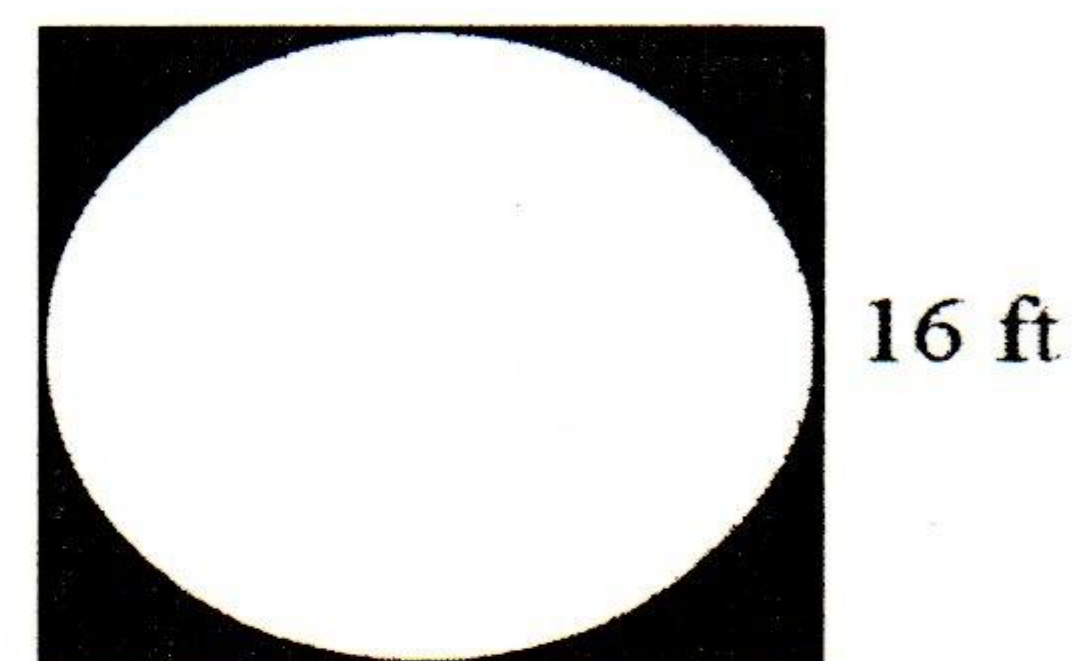
(b) Use your answer from part (a) to calculate the cost of the hardwood flooring if it is priced at \$2.25per square foot.

Area of Shaded Region

5. Two circles having a diameter of 4 inches are within rectangle KLMN. It is given that $LM = 7$ Inches and $NM = 12$ inches. Find the area of the shaded region to the nearest tenth of a square Inch.



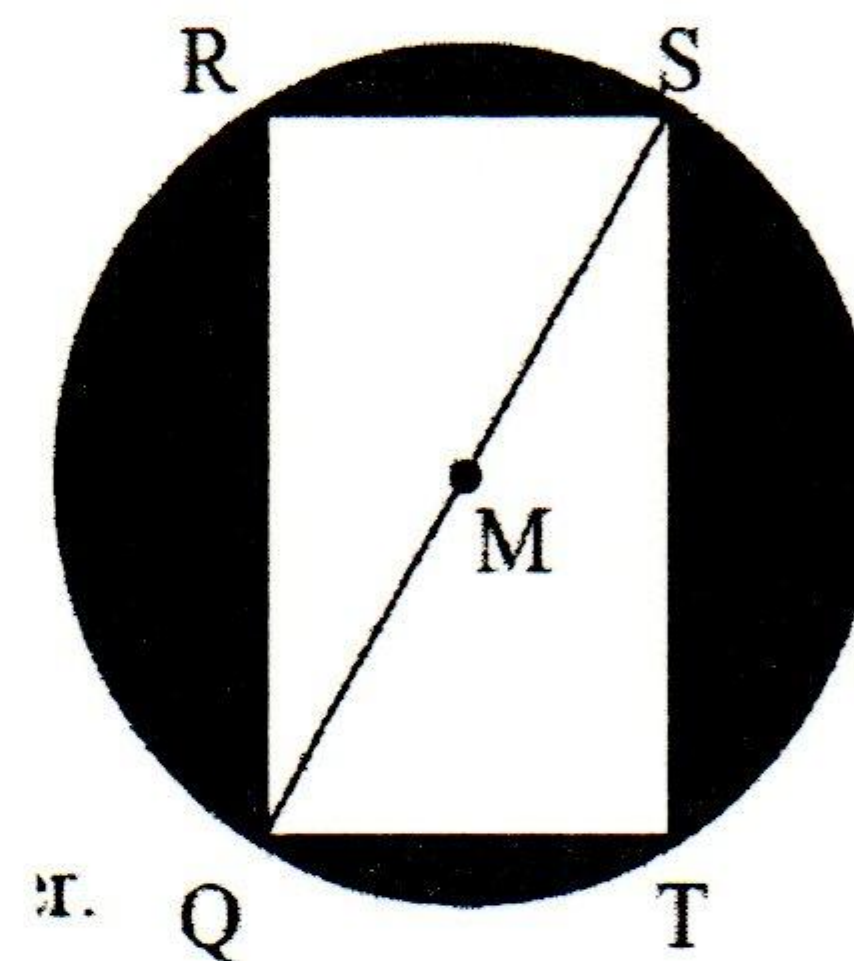
6. A circle is drawn in a square whose side measures 16 feet as shown below. Find the exact area of the shaded region.



7. Rectangle QRST is drawn in circle M. Diameter $QS = 10$ cm and $ST = 8$ cm .

(a) Find QT.

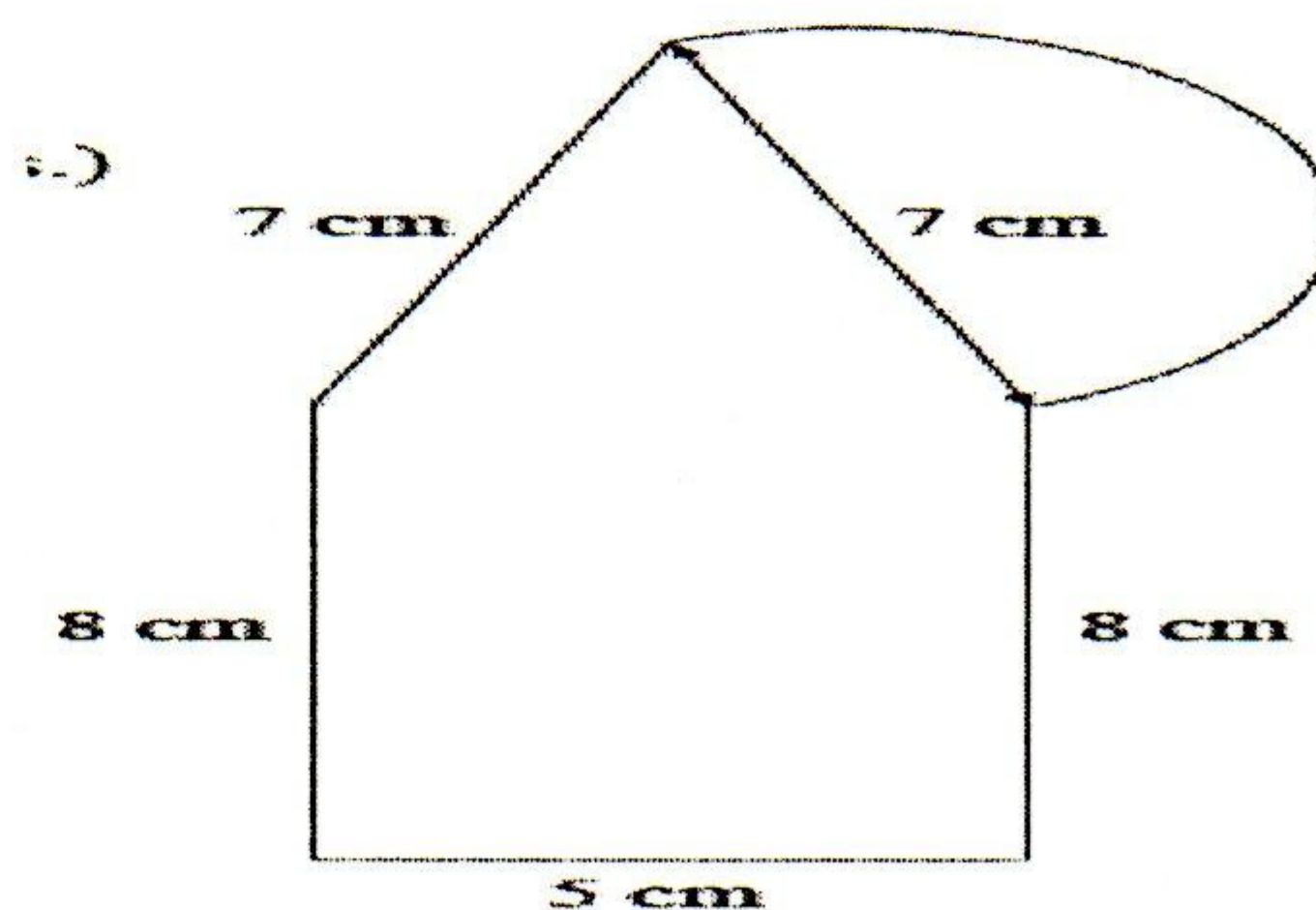
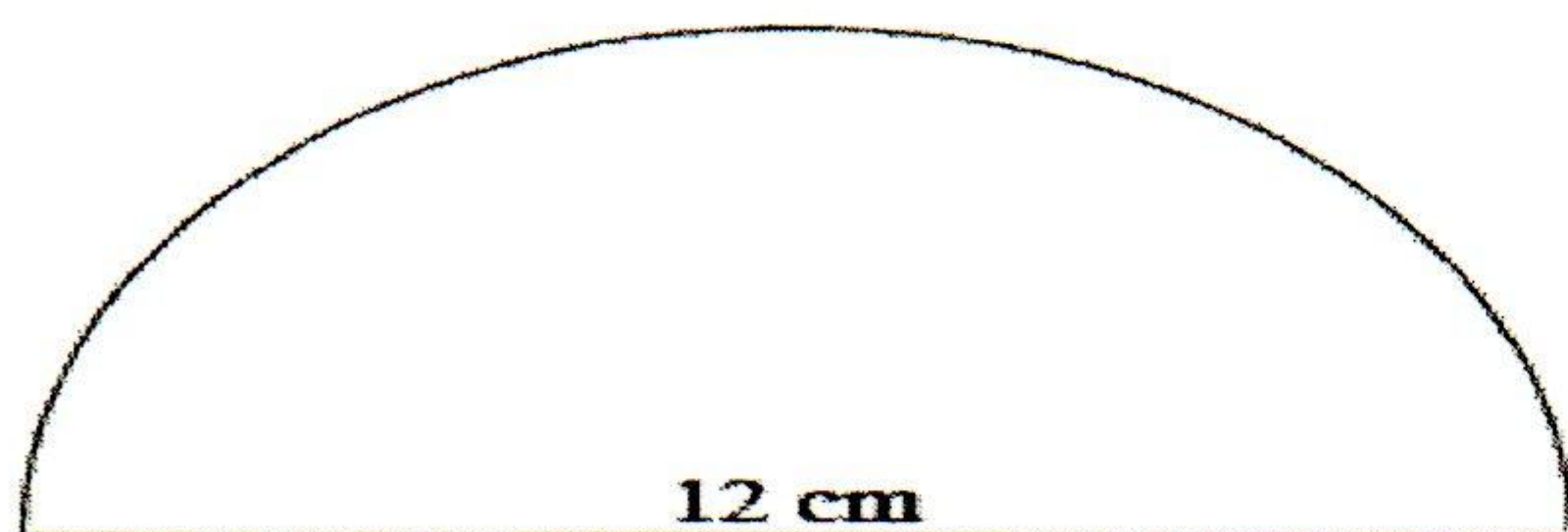
(b) Find the area of the shaded region to the nearest *tenth* of a square centimeter.



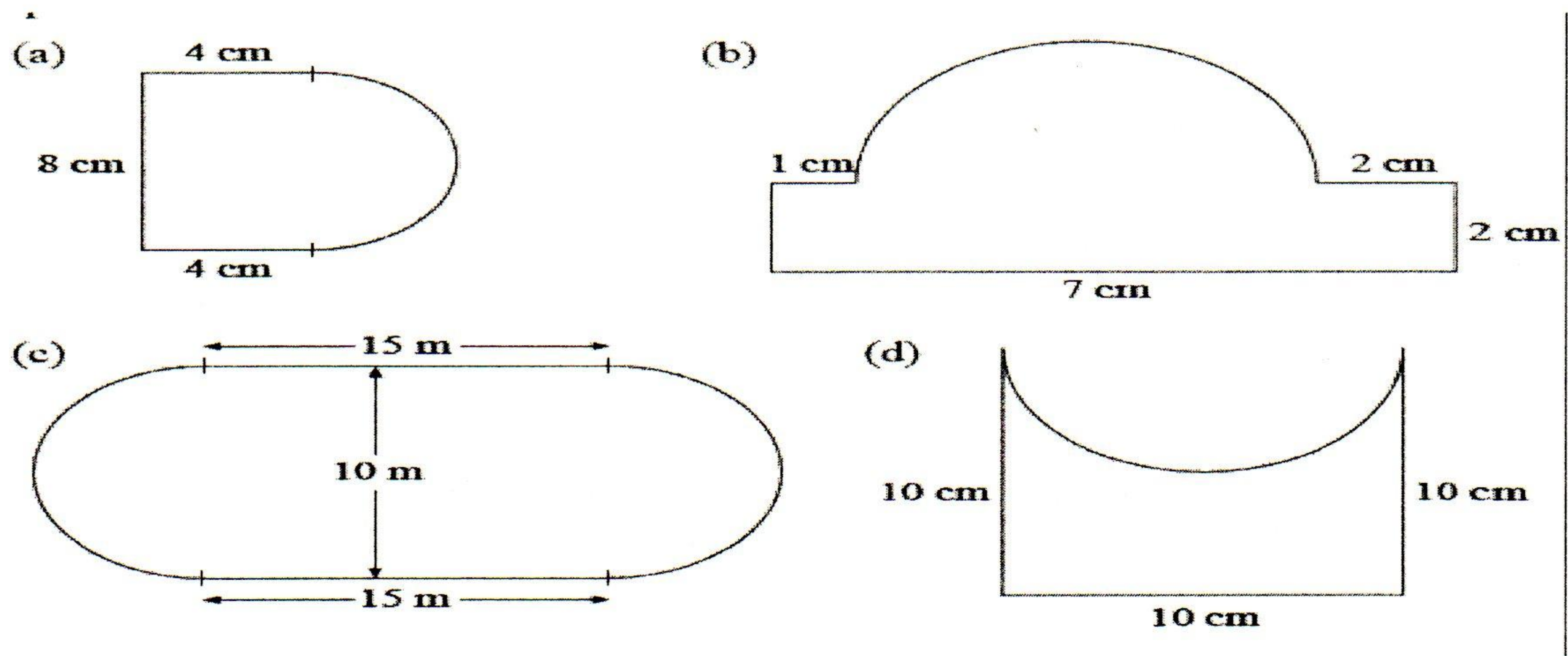
Chapter : Perimeters of Compound Shapes

Exercise:

1. Find the perimeters



2. Find perimeters upto 1 decimal place.



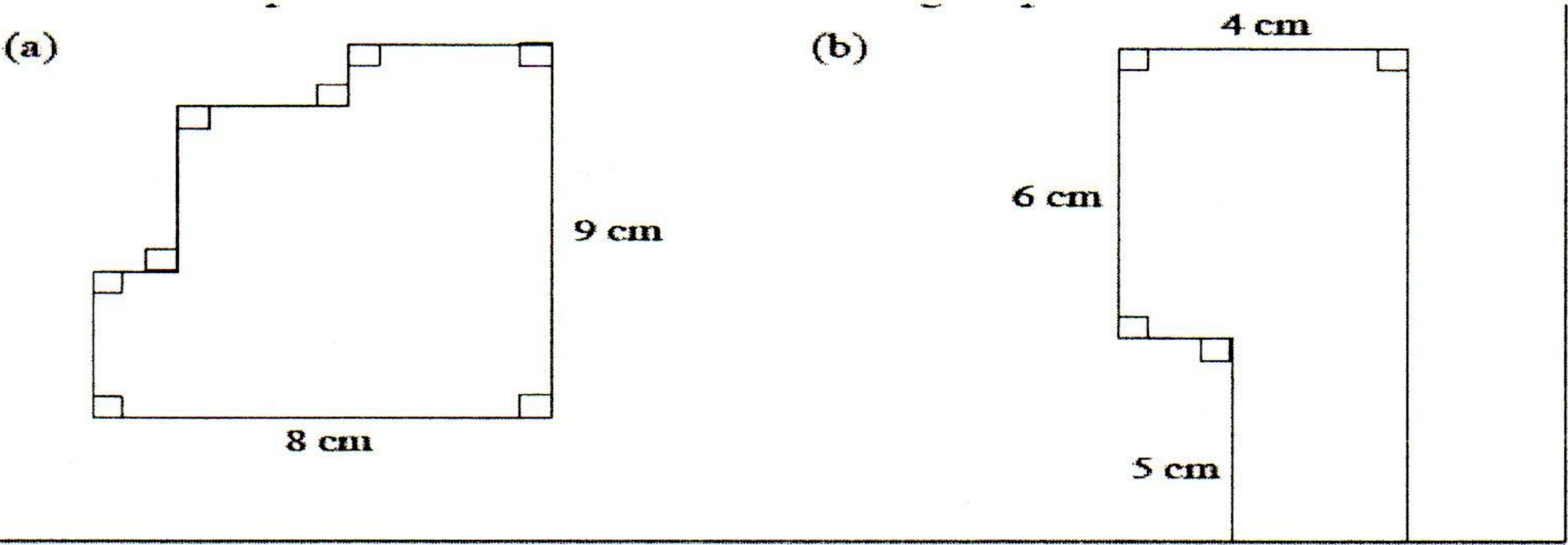
(a) _____

(c) _____

(b) _____

(d) _____

3. Find the perimeters



(a) _____

(b) _____