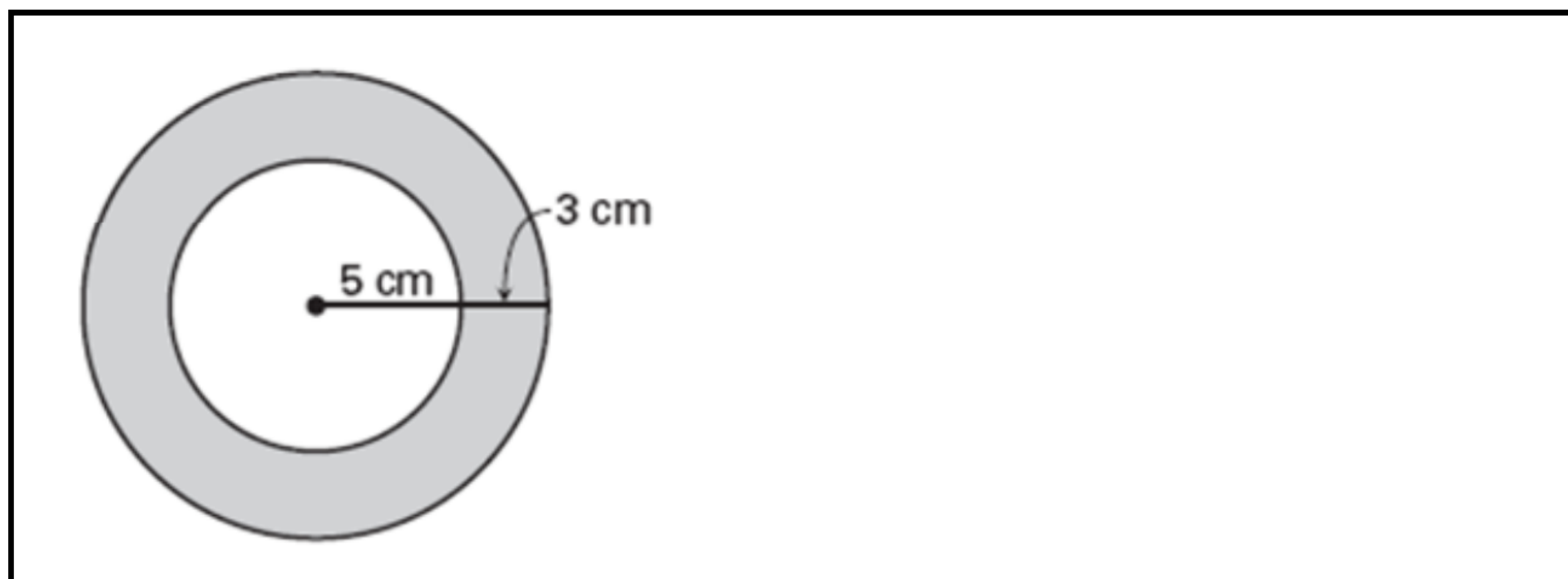
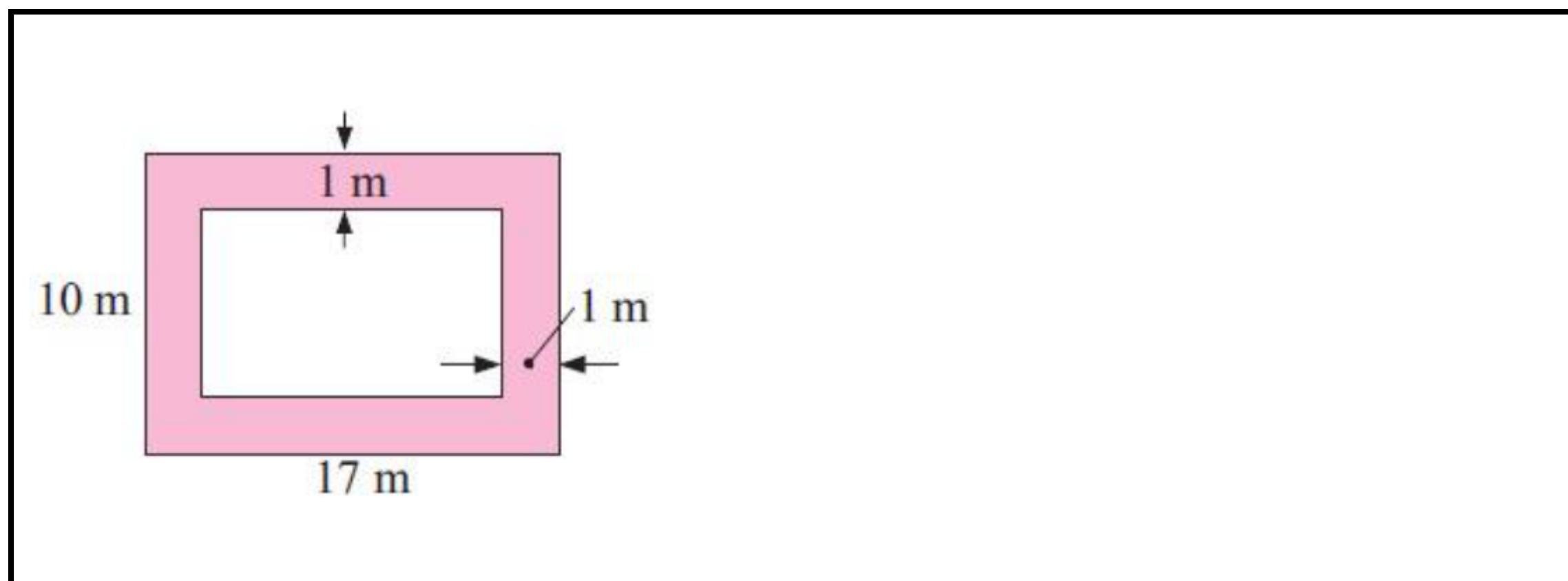
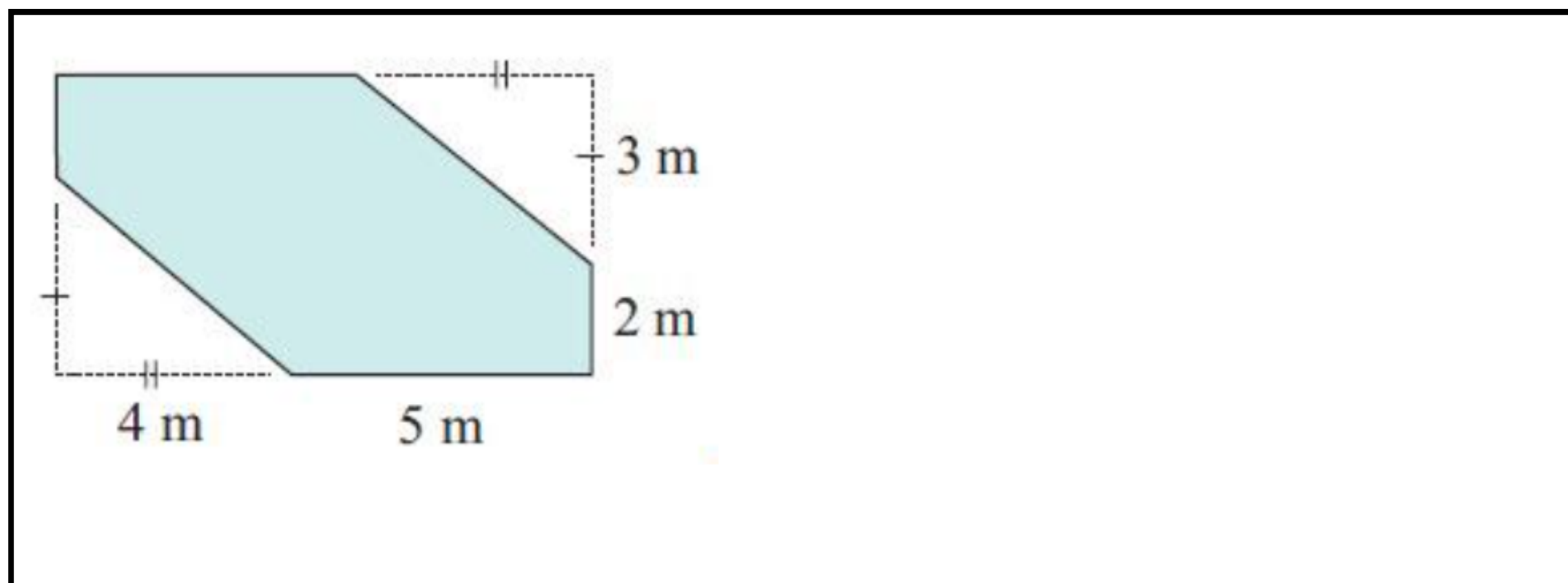
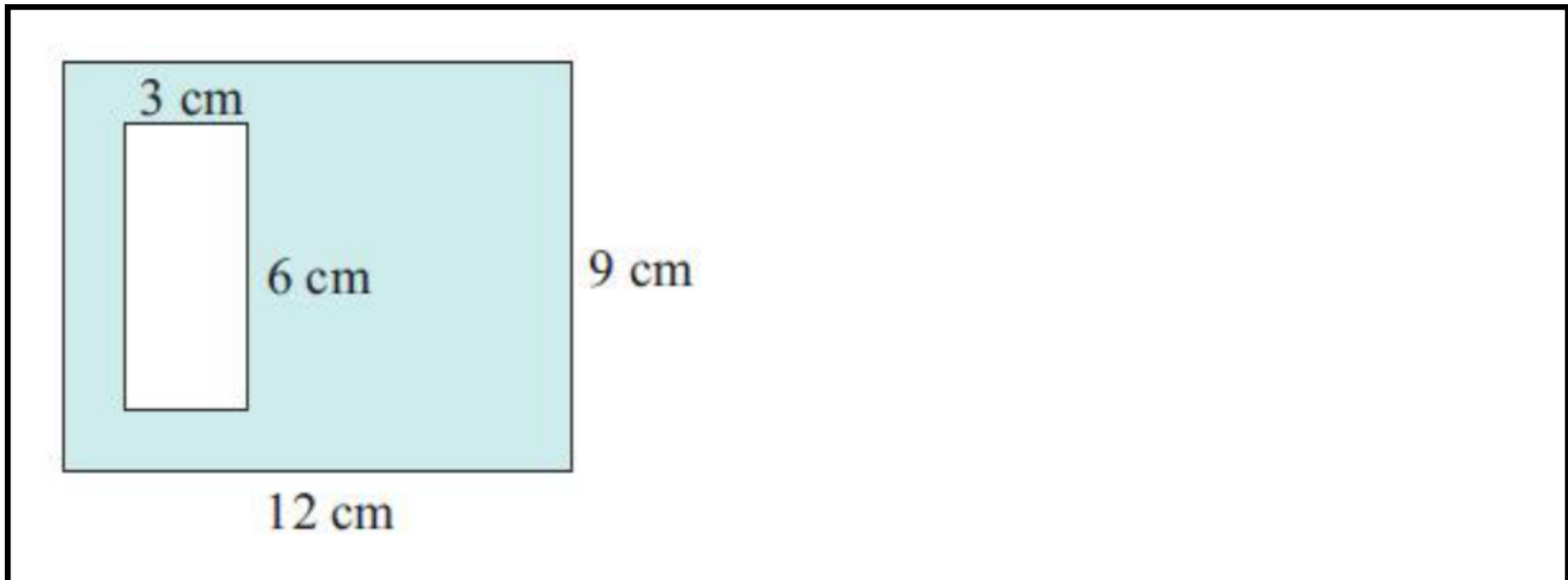


FIND THE AREA OF THE SHADED REGION WORKSHEET

Name :

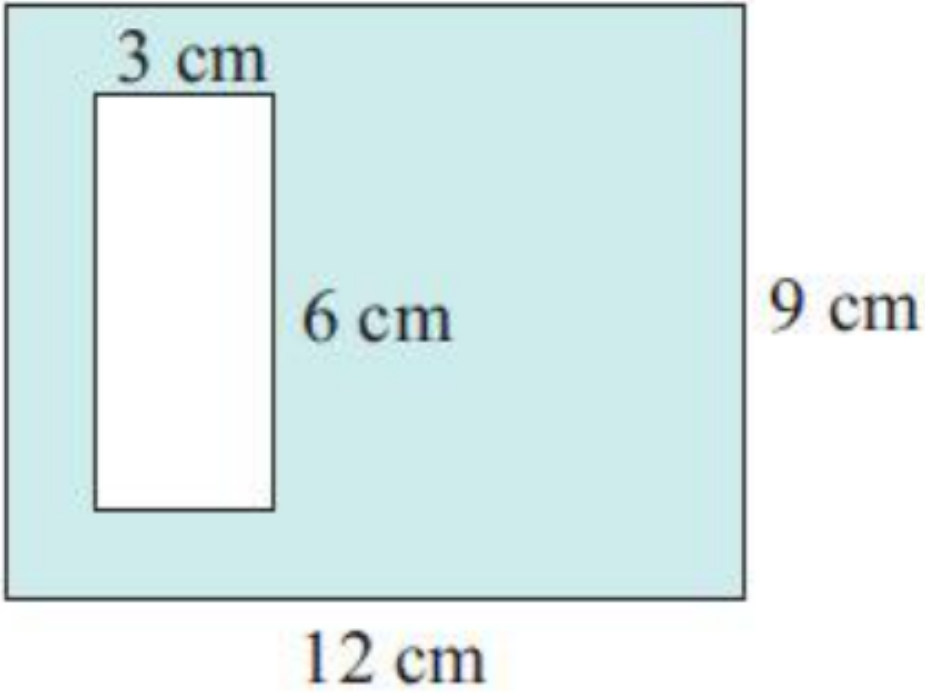
Date :

Directions : Find the area of shaded regions



FIND THE AREA OF THE SHADED REGION WORKSHEET

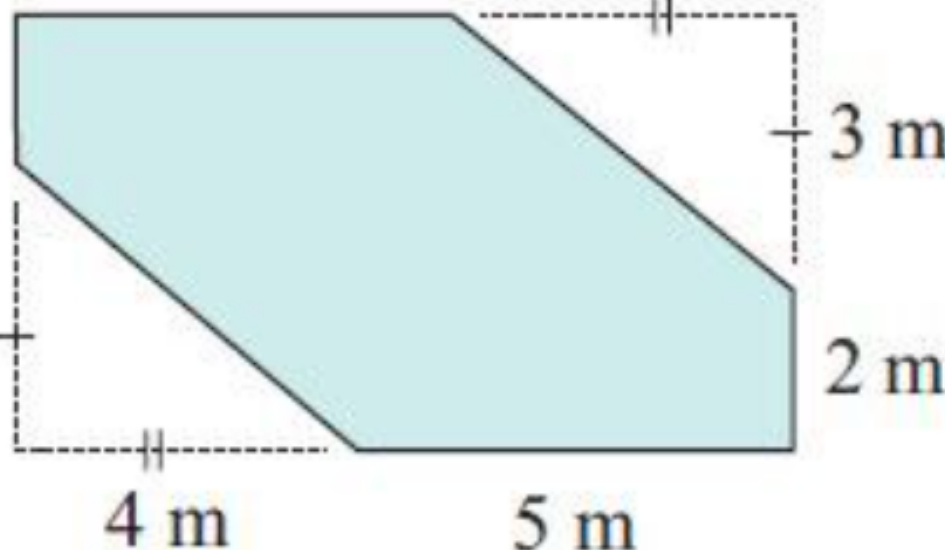
Directions : Find the area of shaded regions



Area of shaded region =
Area of large rectangle – Area of small rectangle

Area of rectangle = Length · width
= $(12 \cdot 9) = 108 \text{ cm}^2$

Area of small rectangle
= $(6 \cdot 3) = 18 \text{ cm}^2$
= $(108 - 18) \text{ cm}^2 = 90 \text{ cm}^2$

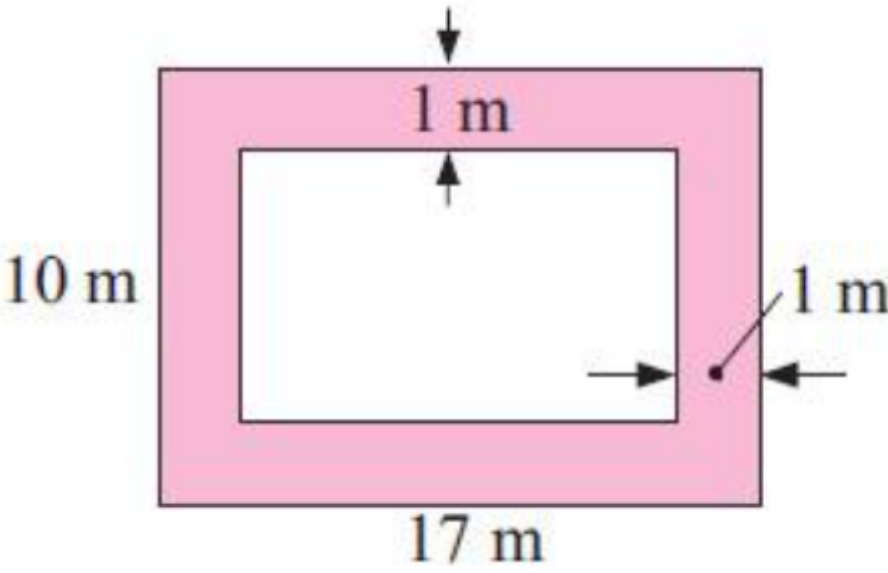


Area of shaded region
= Area of rectangle – 2(Area of triangle)

Area of rectangle = length · width
 $(9 \cdot 5) = 45 \text{ m}^2$

Area of triangle = $(1/2) \cdot \text{base} \cdot \text{height}$
= $2(1/2) \cdot 4 \cdot 3 = 12 \text{ m}^2$

Area of shaded region = $(45 - 12) \text{ m}^2$
= 33 m^2



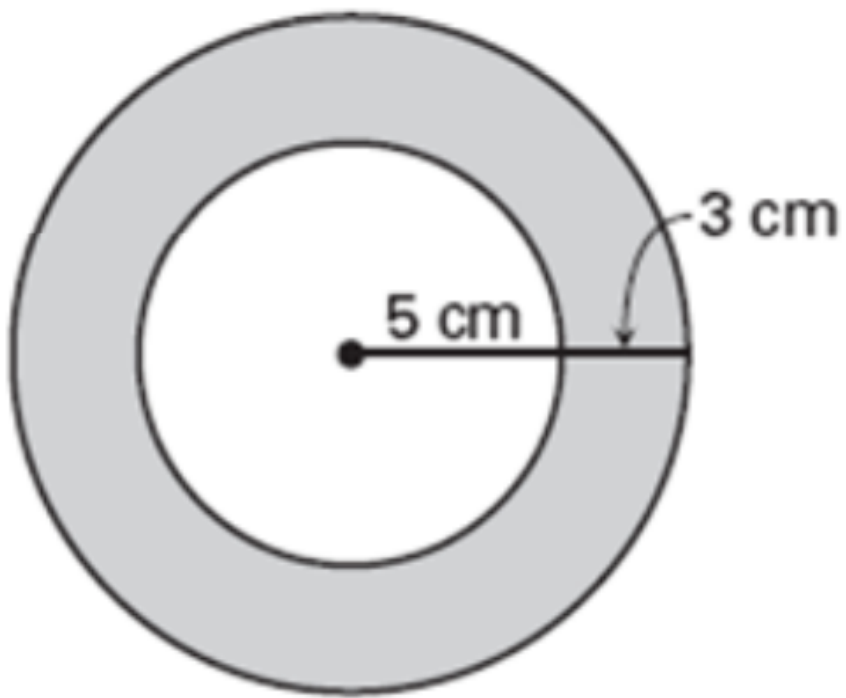
Area of shaded region
= Area of large rectangle – Area of small rectangle

Area of rectangle = Length · width

Large rectangle : $(17 \cdot 10) = 170 \text{ m}^2$

Small rectangle :
Length = $(17 - 2) \Rightarrow 15 \text{ m}$
width = $(10 - 2) \Rightarrow 8 \text{ m}$
= $(15 \cdot 8) = 120 \text{ m}^2$

Area of shaded region = $(170 - 120) \text{ m}^2$
= 50 m^2



Area of outer circle = $64\pi \text{ cm}^2$

Area of inner circle = $25\pi \text{ cm}^2$

Area of shaded region:
 $64\pi - 25\pi = 39\pi \text{ cm}^2$