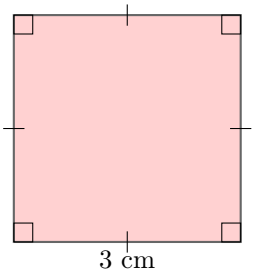
AREA FORMULAS

A AREA OF A RECTANGLE OR A SQUARE

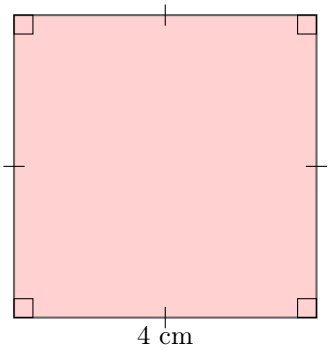
A.1 FINDING AREAS OF SQUARES AND RECTANGLES

Ex 1: What is the area of the red square?



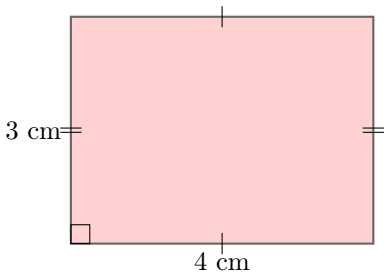
$\square$ cm^2

Ex 2: What is the area of the red square?



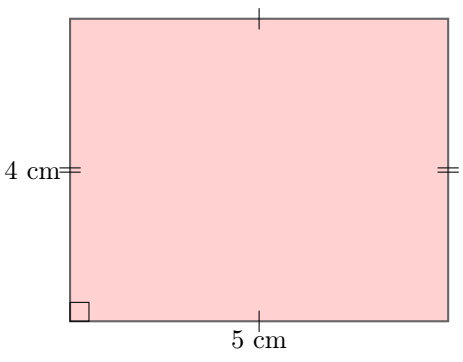
$\square$ cm^2

Ex 3: What is the area of the red rectangle?



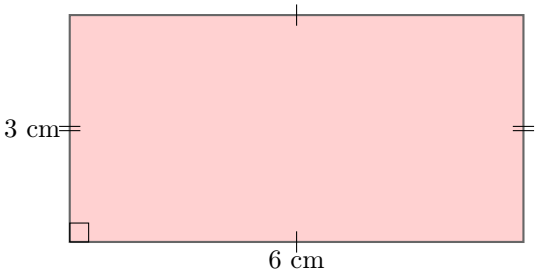
$\square$ cm^2

Ex 4: What is the area of the red rectangle?



$\square$ cm^2

Ex 5: What is the area of the red rectangle?

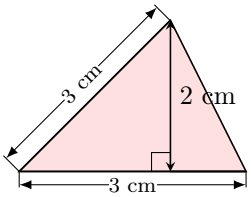


$\square$ cm^2

B AREA OF A TRIANGLE

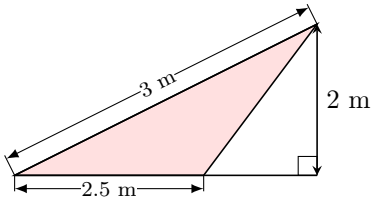
B.1 FINDING AREAS OF TRIANGLES

Ex 6: Find the area of the figure



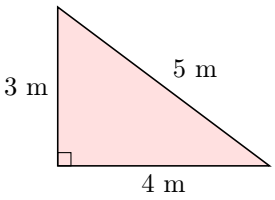
$A =$ $\square$ cm^2

Ex 7: Find the area of the figure



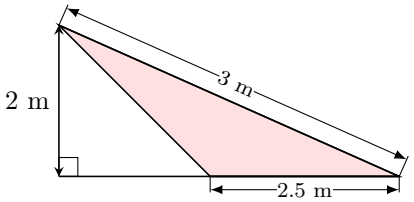
$A =$ $\square$ m^2

Ex 8: Find the area of the figure



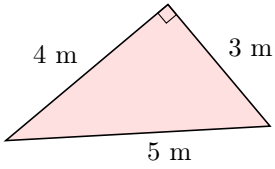
$A =$ $\square$ m^2

Ex 9: Find the area of the figure



$A =$ ☐ m^2

Ex 10: Find the area of the figure

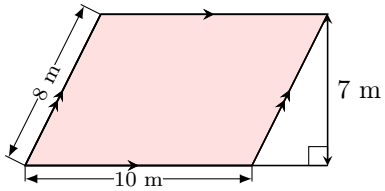


$A =$ ☐ m^2

C AREA OF A PARALLELOGRAM

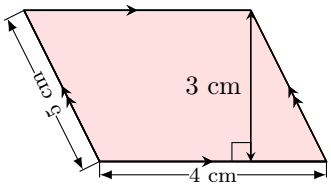
C.1 FINDING AREAS OF PARALLELOGRAMS

Ex 11: Find the area of the figure



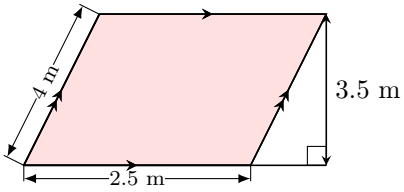
$A =$ ☐ m^2

Ex 12: Find the area of the figure



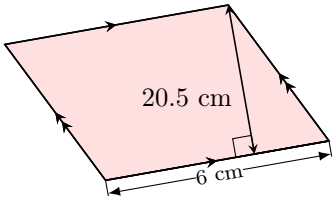
$A =$ ☐ cm^2

Ex 13: Find the area of the figure.



$A =$ ☐ m^2

Ex 14: Find the area of the figure.

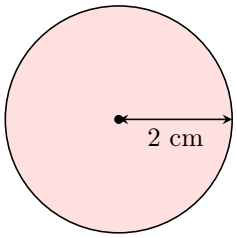


$A =$ ☐ cm^2

D AREA OF A CIRCLE

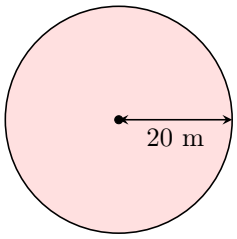
D.1 FINDING AREAS OF CIRCLES

Ex 15: Find the area of the figure (round to 1 decimal place)



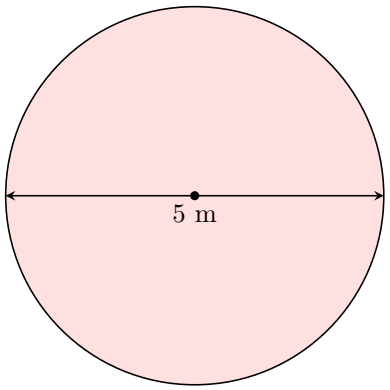
$A \approx$ ☐ cm^2

Ex 16: Find the area of the figure (round to 1 decimal place)



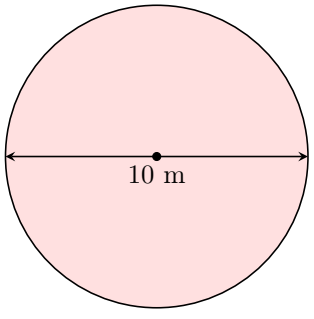
$A \approx$ ☐ m^2

Ex 17: Find the area of the figure (round to 1 decimal place)



$A \approx$ ☐ m^2

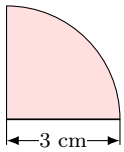
Ex 18: Find the area of the figure (round to 1 decimal place)



$A \approx$ ☐ m^2

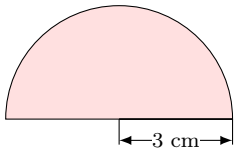
D.2 FINDING AREA OF CIRCULAR SECTORS

Ex 19: Find the area of the quarter circle: (Round to 1 decimal place)



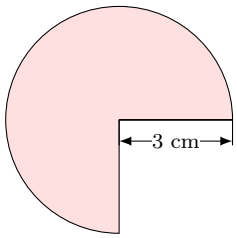
$A =$ ☐ cm^2

Ex 20: Find the area of the half circle: (Round to 1 decimal place)



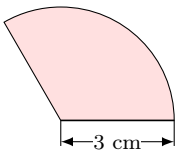
$A =$ ☐ cm^2

Ex 21: Find the area of the three-quarter circle: (Round to 1 decimal place)



$A =$ ☐ cm^2

Ex 22: Find the area of the one-third circle: (Round to 1 decimal place)



$A =$ ☐ cm^2

E AREA FORMULAS

E.1 SOLVING PROBLEMS

Ex 23: A rectangular terrace is 8 m long and 5 m wide. The tiling costs 20 dollars per square meter.
What is the area of the terrace?

☐ m^2

What is the cost to tile the terrace?

☐ dollars

Ex 24: A triangular garden has a base of 12 m and a height of 8 m. The cost to plant grass is 5 dollars per square meter.
What is the area of the garden?

☐ m^2

What is the cost to plant grass in the garden?

☐ dollars

Ex 25: A rectangular wall is 8 m long and 5 m high. The cost to paint the wall is 20 dollars per square meter.
What is the area of the wall?

☐ m^2

What is the cost to paint the wall?

☐ dollars

Ex 26: A triangular roof has a base of 10 m and a height of 6 m. The cost to cover the roof with wood is 15 dollars per square meter.
What is the area of the roof?

☐ m^2

What is the cost to cover the roof with wood?

☐ dollars

Ex 27: A circular garden has a radius of 4 m. The cost to plant flowers is 10 dollars per square meter.
What is the area of the garden? (Round to the nearest integer)

☐ m^2

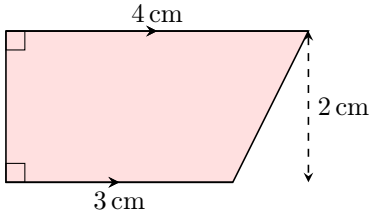
What is the cost to plant flowers in the garden? (Round to the nearest tenth)

☐ dollars

F AREA OF COMPOSITE FIGURES

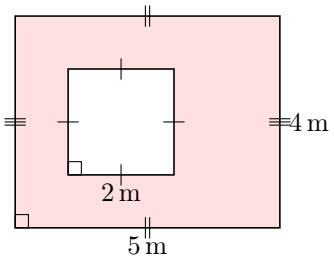
F.1 FINDING AREAS OF COMPOSITE FIGURES

Ex 28: Find the area of the figure:

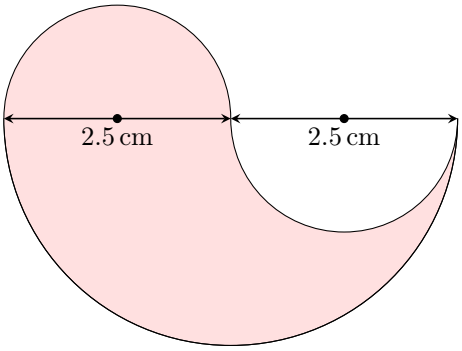


$A =$ ☐ cm^2

Ex 29: Find the area of the figure:

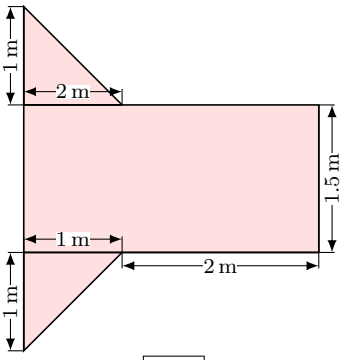


$A =$ ☐ m^2



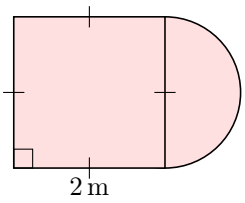
$A =$ ☐ cm^2

Ex 30: Find the area of the figure:



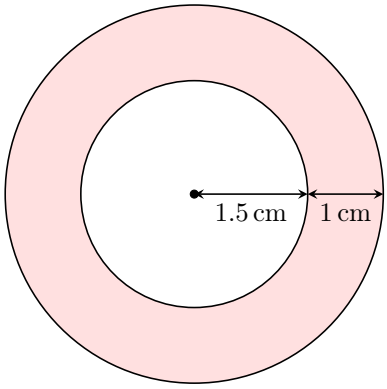
$A =$ ☐ m^2

Ex 31: Calculate the area of the figure:



$A =$ ☐ m^2 (round to 2 decimal places)

Ex 32: Calculate the area of the figure: (Round to 2 decimal places)



$A =$ ☐ cm^2

Ex 33: Calculate the area of the figure: (Round to 2 decimal places)