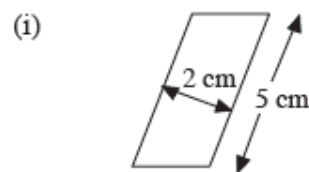
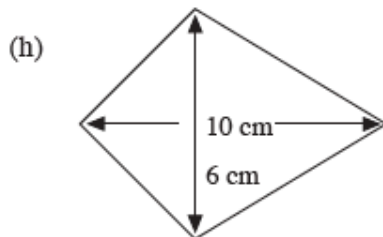
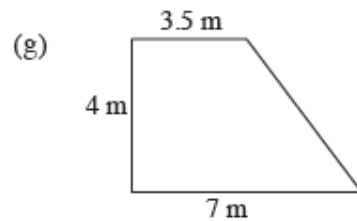
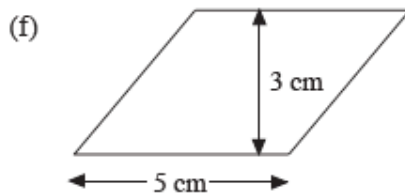
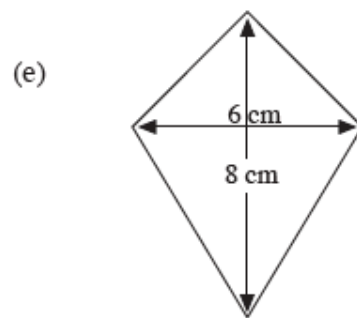
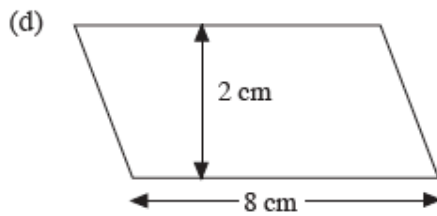
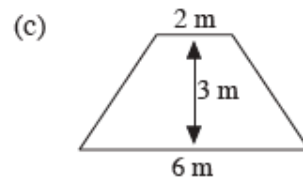
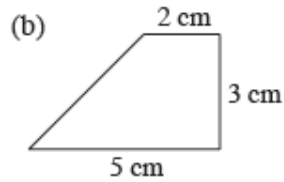
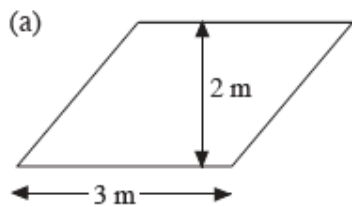
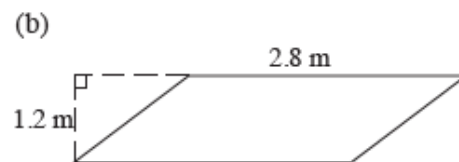
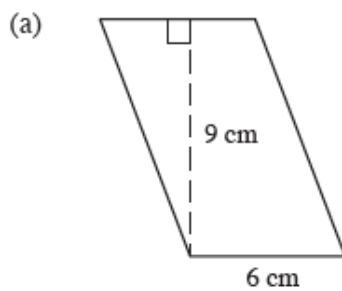


Areas of Parallelograms, Trapeziums, Kites and Rhombuses

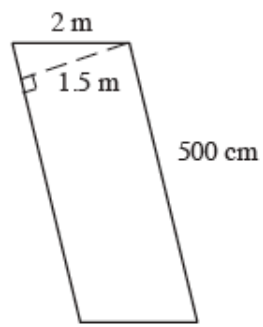
1. Find the area of each of the following shapes:



2. Find the areas of the following parallelograms:

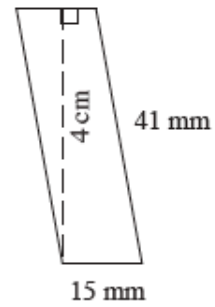


(c)



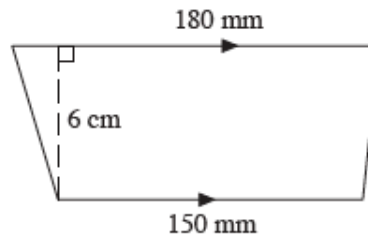
(Give your answer in m^2)

(d)

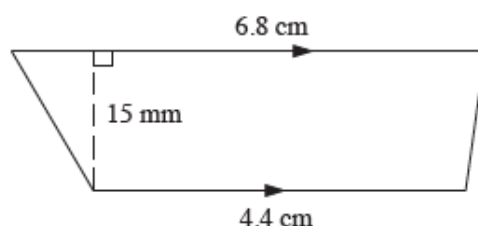


(Give your answer in mm^2)

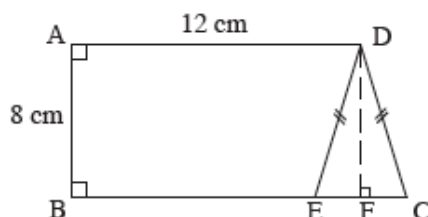
3. Find the base of a parallelogram, given that its height is 8 cm and its area 64 cm^2 .
4. The area of a parallelogram is 108 mm^2 . Find its height if the base is 12 mm.
5. Find the area of the trapezium. Give your answer in cm^2 .



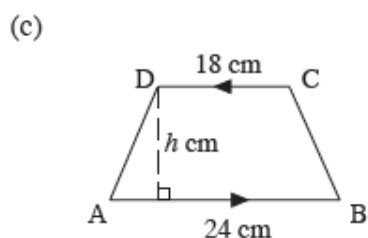
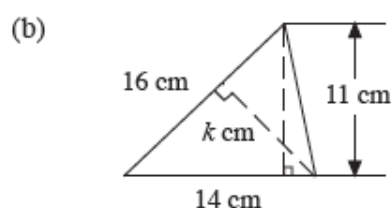
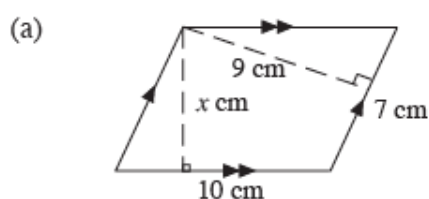
6. Find the area of the trapezium. Give your answer in mm^2 .



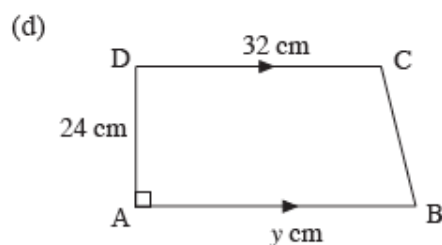
7. A trapezium has an area of 120 cm^2 . Its parallel sides measure 14 cm and 10 cm. Find its height.
8. A trapezium has a height of 8 m. What is the sum of its parallel sides if its area is 64 m^2 .
9. The area of a trapezium is 40 m^2 . It has a height of 5 m and one of its parallel sides is 6 m. Find the length of the other parallel side.
10. In the diagram, CDE is an isosceles triangle with an area of 24 cm^2 .
If $AB = 8 \text{ cm}$ and $AD = 12 \text{ cm}$, calculate the area of the trapezium ABED.



11. Find the value of the unknown in each of the following figures.



$$\text{Area of } ABCD = 273 \text{ cm}^2$$



$$\text{Area of } ABCD = 912 \text{ cm}^2$$