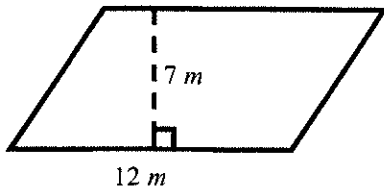


Lesson 1 ~ Area of Triangles and Parallelograms

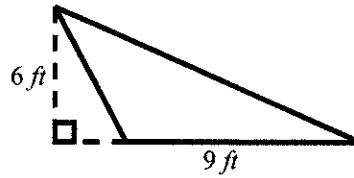
Name _____ Period _____ Date _____

Find the area of each figure.

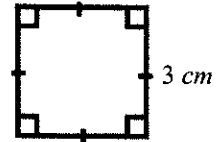
1.



2.



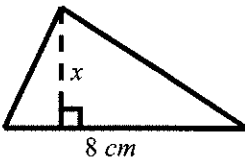
3.



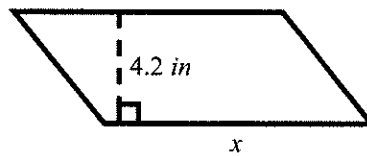
4. The base of a triangle is 6 inches and the height is 3 inches. What is the area of the triangle?

Find each missing measure.

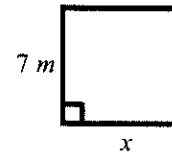
5. Area = 28 cm^2



6. $A = 84 \text{ in}^2$



7. $A = 49 \text{ m}^2$



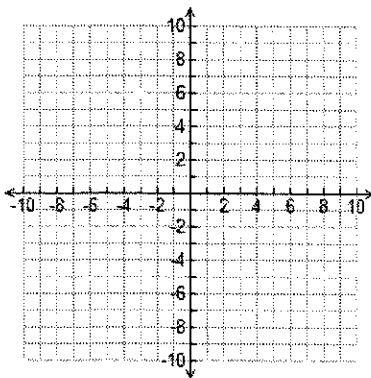
8. Simone cut out a 72 cm^2 parallelogram. The height is 12 cm. Find the length of the base.

9. The perimeter of a square tent is 82 feet. Find the area of the ground which the tent will cover.

10. A triangle with an area of 36 square meters has a base that is 10 meters long. What is the height of the triangle?

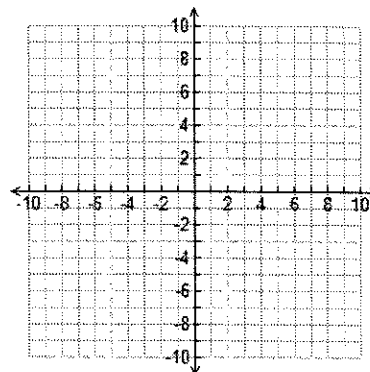
Plot each set of points and find the area of each figure.

11. (2, 3), (2, 8), (7, 8) and (7, 3)



Area: _____

12. (-3, -2), (-9, -2) and (-9, 6)

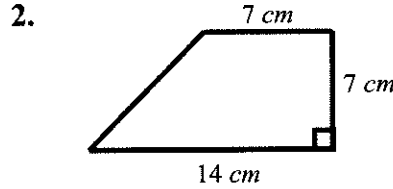
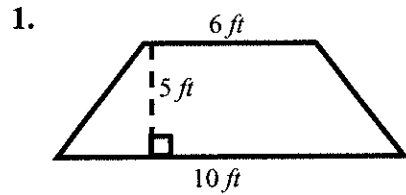


Area: _____

Lesson 2 ~ Area of a Trapezoid

Name _____ Period _____ Date _____

Calculate the area of each trapezoid.



3. $b_1 = 7.8\ m$
 $b_2 = 4.2\ m$
 $h = 9.4\ m$

4. One of the bases of a trapezoid is 7 inches, the other base is 4 inches and the height is 3 inches. What is the area of the trapezoid?

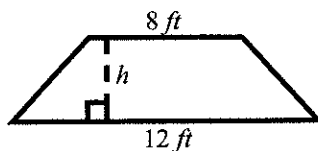
5. Jorge's new yard is in the shape of a trapezoid. One of the parallel sides is 25 feet long. The other parallel side is 18 feet long. There is 16 feet between the two parallel sides.

a. Sketch and label a diagram of Jorge's new yard.

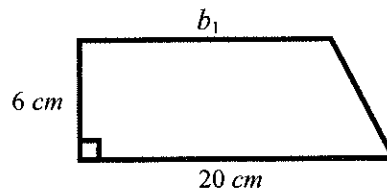
b. How many square feet of sod will Jorge need for his new yard?

Find the unknown base or height of each trapezoid.

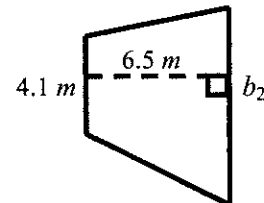
6. Area = $50\ ft^2$



7. Area = $99\ cm^2$



8. Area = $40.95\ m^2$



9. A trapezoid is $64\ cm^2$. The height is $12\ cm$ and one base is $4\ cm$. What is the length of the missing base?

10. A flower box has two sides that are the shape of a trapezoid. The area of one side is 200 square inches. One of the bases is 12 inches and the other base is 8 inches. Find the height of the flower box.