


7.3 Exercises

FOR
EXTRA
HELP


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Math Tutor Center

 MathXL

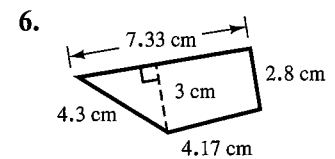
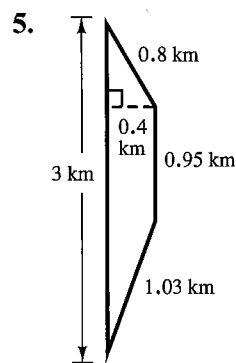
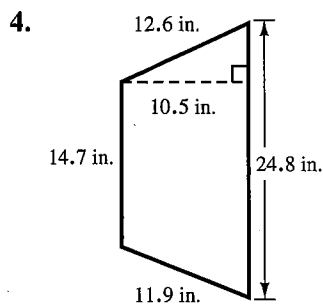
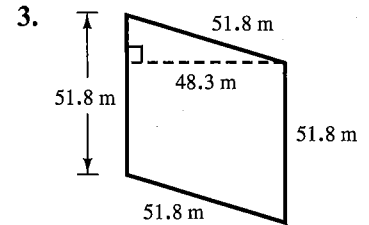
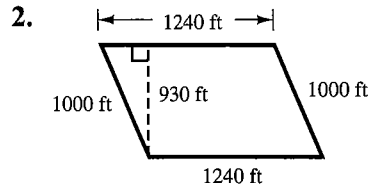
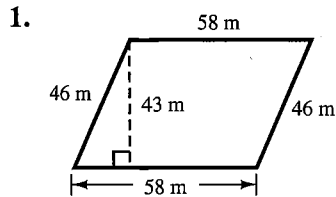
 Video Lectures
on CD

 Student's
Solutions
Manual

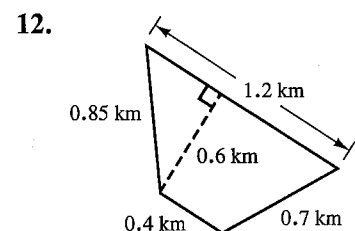
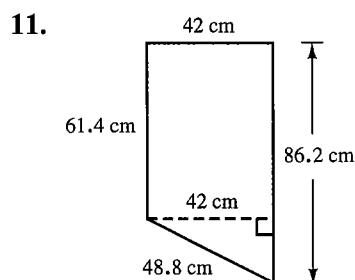
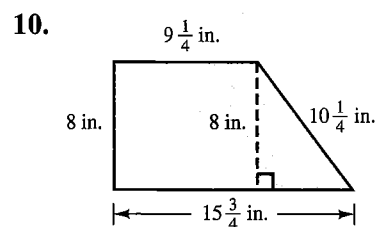
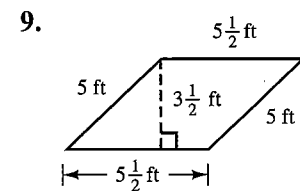
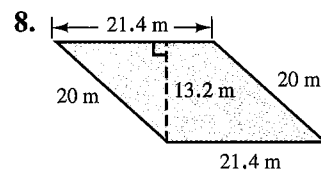
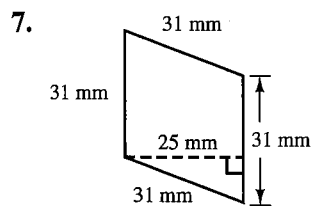
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Find the perimeter of each figure. See Examples 1 and 3.

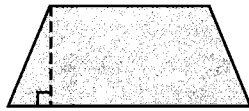


Find the area of each figure. See Examples 2 and 4.

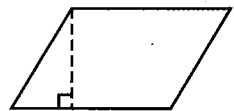


Solve each application problem. First label the bases and heights on the sketches. See Example 6.

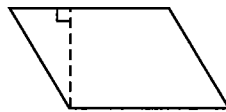
13. The backyard of a new home is shaped like a trapezoid with a height of 45 ft and bases of 80 ft and 110 ft. What is the cost of putting sod on the yard if the landscaper charges \$0.33 per square foot for sod?



14. A swimming pool is in the shape of a parallelogram with a height of 9.6 m and base of 12.4 m. Find the labor cost to make a custom solar cover for the pool at a cost of \$4.92 per square meter.



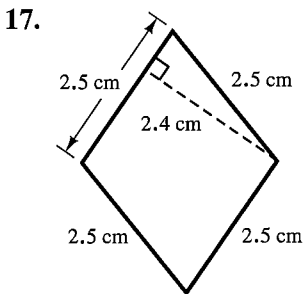
15. A piece of fabric for a quilt design is in the shape of a parallelogram. The base is 5 in. and the height is 3.5 in. What is the total area of the 25 parallelogram pieces needed for the quilt?



16. An accountant is paying \$832 per month to rent an office in an old building. Her office is shaped like a trapezoid, with bases of 32 ft and 20 ft and a height of 20 ft. How much rent is she paying per square foot?

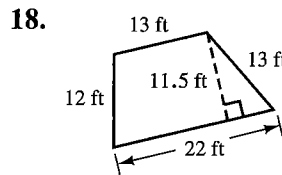


Find **two** errors in each student's solution below. Write a sentence explaining each error. Then show how to work the problem correctly.



$$P = 2.5 \text{ cm} + 2.4 \text{ cm} + 2.5 \text{ cm} + 2.5 \text{ cm} + 2.5 \text{ cm}$$

$$P = 12.4 \text{ cm}^2$$



$$A = (0.5)(11.5 \text{ ft}) \cdot (12 \text{ ft} + 13 \text{ ft})$$

$$A = 143.75 \text{ ft}$$

Find the area of each figure. See Example 5.

