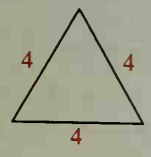
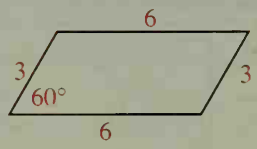
Find the area of each figure.

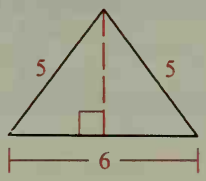
4.



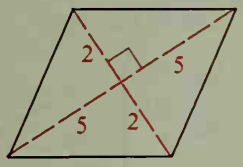
5.



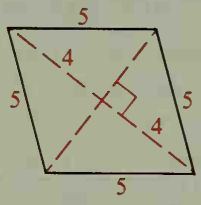
6.



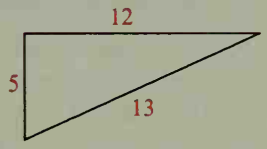
7.



8.



9.



Written Exercises

In Exercises 1–20 find the area of each figure.

A

1. A triangle with base 5.2 m and corresponding height 11.5 m

2. A triangle with sides 3, 4, and 5

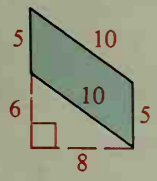
3. A parallelogram with base $3\sqrt{2}$ and corresponding height $2\sqrt{2}$

4. A rhombus with diagonals 4 and 6

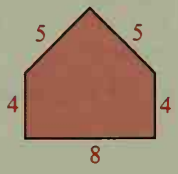
5. An equilateral triangle with sides 8 ft

6. An isosceles triangle with sides 10, 10, and 16

7.



8.



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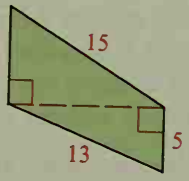

10. An isosceles triangle with base 10 and perimeter 36

11. An isosceles right triangle with hypotenuse 8

12. An equilateral triangle with perimeter 18

B

13. A parallelogram with a 45° angle and sides 6 and 10

14. A rhombus with a 120° angle and sides 6 cm

15. A 30°-60°-90° triangle with hypotenuse 10

16. An equilateral triangle with height 9

17. A rhombus with perimeter 68 and one diagonal 30

18. A regular hexagon with perimeter 60

19. A square inscribed in a circle with radius r

20. A rectangle with length 16 inscribed in a circle with radius 10