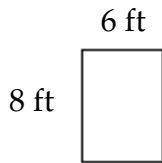


# Review Sheet: Rectangles

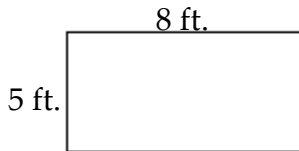
**Find the perimeter.**

1)



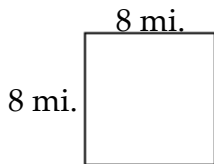
1) \_\_\_\_\_

2)



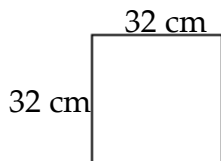
2) \_\_\_\_\_

3)



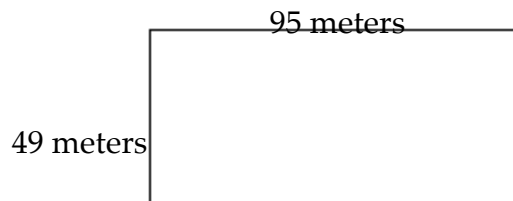
3) \_\_\_\_\_

4)



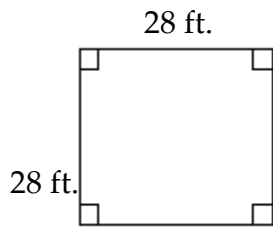
4) \_\_\_\_\_

5)



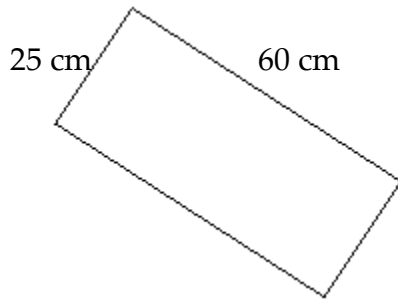
5) \_\_\_\_\_

6)



6) \_\_\_\_\_

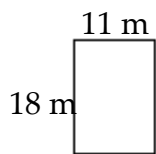
7)



7) \_\_\_\_\_

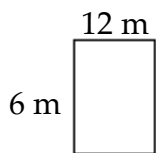
**Find the area.**

8)



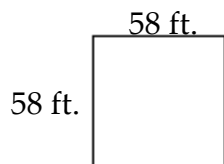
8) \_\_\_\_\_

9)



9) \_\_\_\_\_

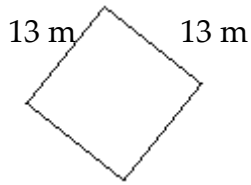
10)



10) \_\_\_\_\_

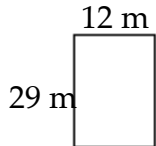
11)

11) \_\_\_\_\_



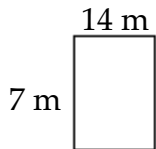
12)

12) \_\_\_\_\_



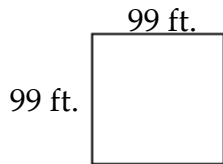
13)

13) \_\_\_\_\_



14)

14) \_\_\_\_\_

**Solve the problem.**

15) The perimeter of a rectangular room is 54 ft. The width is 13 ft. Find the length.

15) \_\_\_\_\_

16) A small farm field is a square measuring 240 ft. on a side. What is the perimeter of the field? If you double the length of each side of the field, what is the new perimeter?

16) \_\_\_\_\_

17) What will it cost to buy ceiling molding to go around a rectangular room with length 18 ft. and width 8 ft.? The molding costs \$4 per linear foot.

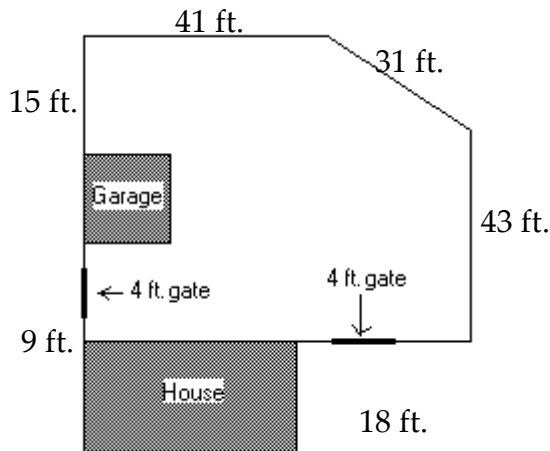
17) \_\_\_\_\_

18) Mel plans to fence his yard for his new puppy. The yard is a 50 ft. by 70 ft. rectangle. Fencing costs \$11 per 10 ft. section. What is the cost of the fence not including unused fencing?

18) \_\_\_\_\_

- 19) A homeowner wishes to put a fence around his backyard. The fencing company charges \$5 per foot for chain link fence and \$20 for each 4 ft. wide gate. What will be the total cost?

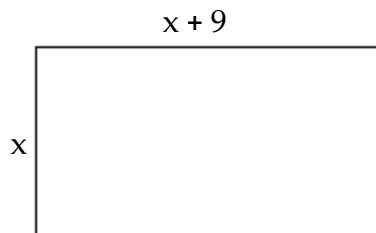
19) \_\_\_\_\_



- 20) Tom is going to build a fence around his garden which is a rectangle measuring 12 m by 16 m. He will first put in posts which will be 4 m apart. If the posts cost \$5 each, what will be the total cost for all the posts?
- 21) Write an expression in simplest form that represents the perimeter of the rectangle. Then use the expression to find the perimeter of the rectangle if  $x$  is 37.

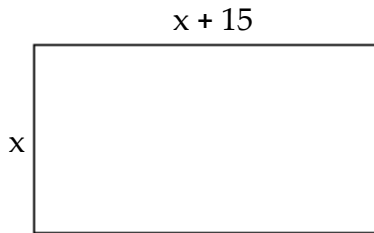
20) \_\_\_\_\_

21) \_\_\_\_\_



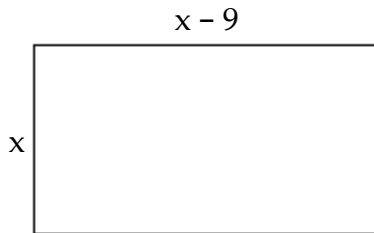
- 22) Write an expression in simplest form that represents the area of the rectangle. Then use the expression to find the area of the rectangle if  $x$  is 22.

22) \_\_\_\_\_



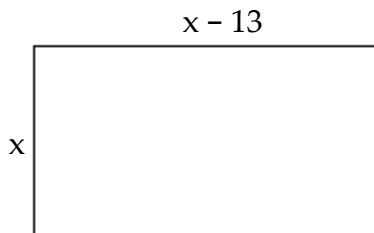
- 23) Write an expression in simplest form that represents the perimeter of the rectangle. Then use the expression to find the perimeter of the rectangle if  $x$  is 38.

23) \_\_\_\_\_



- 24) Write an expression in simplest form that represents the area of the rectangle. Then use the expression to find the area of the rectangle if  $x$  is 20.

24) \_\_\_\_\_



## Answer Key

Testname: MATH 099 REVIEW SHEET TWELVE RECTANGLES

- 1) 28 ft
- 2) 26 ft.
- 3) 32 mi.
- 4) 128 cm
- 5) 288 meters
- 6) 112 ft.
- 7) 170 cm
- 8)  $198 \text{ m}^2$
- 9)  $72 \text{ m}^2$
- 10)  $3364 \text{ ft.}^2$
- 11)  $169 \text{ m}^2$
- 12)  $348 \text{ m}^2$
- 13)  $98 \text{ m}^2$
- 14)  $9801 \text{ ft.}^2$
- 15) 14 ft.
- 16) 960 ft., 1920 ft.
- 17) \$208
- 18) \$264
- 19) \$785
- 20) \$70
- 21)  $4x + 18$ ; 166
- 22)  $x^2 + 15x$ ; 814
- 23)  $4x - 18$ ; 134
- 24)  $x^2 - 13x$ ; 140