

# 11 Chapter 11 Test, Form 1

Write the letter for the correct answer in the blank at the right of each question.

1. Find the area of parallelogram  $ABCD$ . Round to the nearest tenth.

A.  $17.5 \text{ ft}^2$   
B.  $31.25 \text{ ft}^2$

C.  $35 \text{ ft}^2$   
D.  $62.5 \text{ ft}^2$



1. \_\_\_\_\_

2. Find the area of parallelogram  $WXYZ$ . Round to the nearest tenth.

F.  $27 \text{ in}^2$   
G.  $45 \text{ in}^2$

H.  $63.6 \text{ in}^2$   
J.  $81 \text{ in}^2$



2. \_\_\_\_\_

3. What is the best classification of quadrilateral  $PQRS$  with vertices  $P(2, 2)$ ,  $Q(-1, 2)$ ,  $R(-1, -3)$ , and  $S(2, -3)$ ?

A. square  
B. rectangle

C. parallelogram  
D. none of these

3. \_\_\_\_\_

4. Find the area of quadrilateral  $DEFG$ .

F.  $154 \text{ cm}^2$   
G.  $218 \text{ cm}^2$

H.  $244 \text{ cm}^2$   
J.  $308 \text{ cm}^2$



4. \_\_\_\_\_

5. Find the area of trapezoid  $ABCD$  with vertices  $A(1, -2)$ ,  $B(5, -2)$ ,  $C(4, 4)$ , and  $D(1, 4)$ .

A.  $6.5 \text{ units}^2$   
B.  $14 \text{ units}^2$

C.  $21 \text{ units}^2$   
D.  $36 \text{ units}^2$

5. \_\_\_\_\_

6. Find the area of rhombus  $ABCD$  with vertices  $A(-1, 3)$ ,  $B(3, 0)$ ,  $C(-1, -3)$ , and  $D(-5, 0)$ .

F.  $8 \text{ units}^2$   
G.  $24 \text{ units}^2$

H.  $26 \text{ units}^2$   
J.  $32 \text{ units}^2$

6. \_\_\_\_\_

7. Find the area of a regular octagon with a perimeter of 96 centimeters.

A. about  $695.3 \text{ cm}^2$   
B. about  $576 \text{ cm}^2$

C. about  $532 \text{ cm}^2$   
D. about  $119.3 \text{ cm}^2$

7. \_\_\_\_\_

8. Find the area of an equilateral triangle with a side length of 14 inches.

F. about  $12.1 \text{ in}^2$   
G. about  $42 \text{ in}^2$

H. about  $84.9 \text{ in}^2$   
J. about  $254.6 \text{ in}^2$

8. \_\_\_\_\_

9. Find the area of a circle with a circumference of  $20\pi$ .

A.  $400\pi$   
B.  $314\pi$

C.  $200\pi$   
D.  $100\pi$

9. \_\_\_\_\_

# Geometry Chapter 11 B Test

**S.K. Gupta & Anubhuti Gangal**



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