Area of Geometric Figures Test - REVIEW

Multiple Choice
Identify the choice that best completes the statement or answers the question.

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1 What is the best equation to use when finding the area of a rectangle?
Ⓐ $A = s^2$
Ⓑ $A = \frac{1}{2} bh$
Ⓒ $A = bh$
Ⓓ $A = LW$

2 What is the best equation to use when finding the area of a triangle?
Ⓐ $A = LW$
Ⓑ $A = \frac{1}{2} bh$
Ⓒ $A = bh$
Ⓓ $A = s^2$

3 What is the best equation to use when finding the area of a parallelogram?
Ⓐ $A = LW$
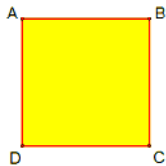Ⓑ $A = \frac{1}{2} bh$
Ⓒ $A = bh$
Ⓓ $A = s^2$

4 What is the best equation to use when finding the area of a square?
Ⓐ $A = LW$
Ⓑ $A = s^2$
Ⓒ $A = bh$
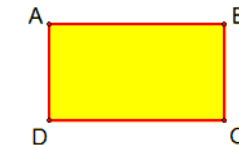Ⓓ $A = \frac{1}{2} bh$

Numeric Response

Find the area of each geometric figure. Figures are not drawn to scale. You may use a calculator.
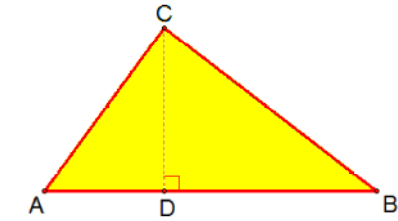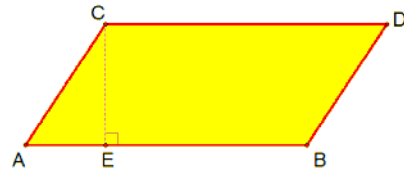
5

$\overline{AB} = 8$ cm
$\overline{BC} = 8$ cm

6

$\overline{AB} = 14$ cm
$\overline{BC} = 9$ cm

1

Find the area of each geometric figure. Figures are not drawn to scale. You may use a calculator.

8

$\overline{AB}=\overline{CD}=28.6$ cm
$\overline{AC}=\overline{BD}=18.8$ cm
$\overline{CE}=10.8$ cm

7

$\overline{AB}=29.7$ cm
$\overline{BC}=26.3$ cm
$\overline{AC}=15.8$ cm
$\overline{CD}=11.4$ cm

Short Answer

9 Draw and label the side lengths of a rectangle on the coordinate plane that has an area of 20 square units. Also identify the coordinates of the vertices of the rectangle that you draw. Finally, show in three steps how to find the area of the rectangle that you created.
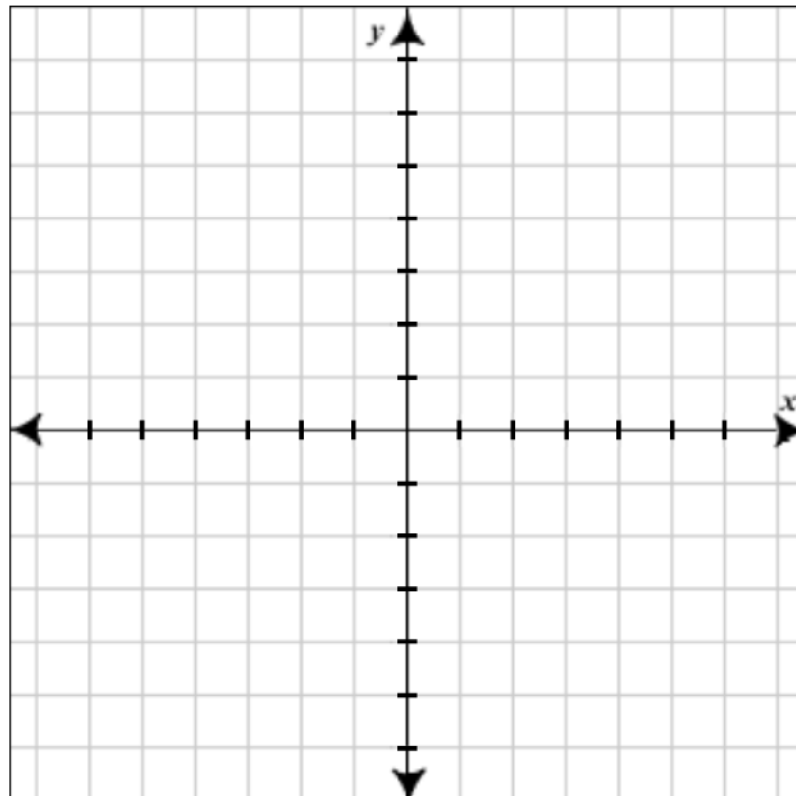
Area of Geometric Figures Test - REVIEW
Answer Section

MULTIPLE CHOICE

1 D
2 B
3 C
4 B

NUMERIC RESPONSE

5 $A = s^2$
$A = 17^2$
$A = 64$

6 $A = lw$
$A = 22(19)$
$A = 126$

7 $A = \frac{1}{2}bh$
$A = \frac{1}{2}(29.3)(20.6)$
$A = 169.29$

8 $A = bh$
$A = (29.2)(12.8)$
$A = 308.88$

SHORT ANSWER

9 10 x 2 or 5 x 4 (20 x 1 does not fit on the coordinate plane)
Vertices will vary based on where they draw the rectangle and its size.

$A = LW$

$A = (?)(?)$

$A = 20$