Area and Perimeter: Worksheet -2

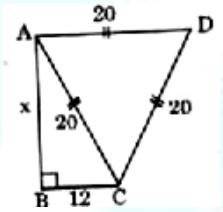
1. If the attitude of an equilateral triangle is $\sqrt{6}$ cm, it's area is [ ]

a] $2\sqrt{3}\,cm^2$ b] $2\sqrt{2}\,cm^2$ c] $3\sqrt{3}\,cm^2$ d] $6\sqrt{2}\,cm^2$

2. Find x in the given figure. [ ]

a] 24 b] 32

c] 16 d] None of these



3. The area of a right triangle is $28cm^2$. One of its perpendicular sides exceeds the other by 10 cm. Find the longest perpendicular side [ ]

a] $6\sqrt{5}$ cm b] 16 cm c] 14 cm d] None

4. The area of an equilateral triangle of side 10 cm is [ ]

a] $5\sqrt{3}\,cm^2$ b] $10\sqrt{3}\,cm^2$ c] $15\sqrt{3}\,cm^2$ d] $25\sqrt{3}\,cm^2$

5. The perimeter of a triangular park is 180 m and its sides are in the ratio 5: 6: 7. Then the area of the park is [ ]

a] $200\sqrt{6}\,m^2$ b] $400\sqrt{6}\,m^2$ c] $600\sqrt{6}\,m^2$ d] $800\sqrt{6}\,m^2$

6. The diagonals of a rhombus are 24 cm and 10 cm. Then its perimeter is [ ]

a] 32 cm b] 48 cm c] 52 cm d] 64 cm

7. If the sides of a triangle are doubled, then its area is [ ]

a] Becomes four times b] Remains the same

c] Becomes doubled d] Becomes three times

8. A circle and a square have the same perimeter. Then [ ]

a] The area of the square is greater b] Their areas are equal

c] The area of the circle is greater d] None of these

9. The sides of a triangle are in the ratio of 13:14:15 and its perimeter is 84 cm. Then the area of the triangle is [ ]

a) 363 cm^2 b) 336 cm^2 c) 633 cm^2 d) None

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