**UNIT 9 Test Review**

1. Mrs. Dona created a flower bed in a shape of a triangle in her back yard. Use the ruler and measure the dimensions to the nearest centimeters.



Which measurement is closest to the area of the flower bed in square centimeters?

A 20$ cm^{2}$

B 9 $cm^{2}$

 C 10 $cm^{2}$

 D 15 $cm^{2}$

1. A rectangle base of a box is shown. Use the ruler and measure the length and width of the rectangle base to the nearest $\frac{1}{4}$ inch.

 

The height of box is 11 Inches. What is volume of the rectangular prism?

A 11 $in^{3}$

B 70 $in^{3}$

C 15.5 $in^{3}$

D 117 $in^{3}$

3. A table top in a science lab is shaped like a trapezoid. The dimensions of the table are shown below inches.



What is the area of the area of the table top in square inches?

A 29.5 $in^{2}$

B 315 $in^{2}$

C 357 $in^{2}$

D 28.5 $in^{2}$

4. 

5. A rope is 9060 feet long. How long is the rope in yards?

 A 27,180 yd

 B 108,720 yd

 C 4530 yd

 D. 3020 yd

6. Which set of angle measure CANNOT be the angle measures of a triangle?

 A 95°, 50°, 35°

 B 90°, 45°, 45°

 C 80°, 45°, 63°

 D 100°, 20°, 60°

7. In Triangle NPQ shown below, What is the measure of ∠ N in degrees



Record your answer and fill in the bubbles. Be sure to use the correct place value.

 

8. A dimensions of a trapezoid is shown in a diagram. Which equation can be used to find A, the area of the trapezoid in square centimeters?

 

m Centimeters

A A= $\frac{1}{2}$ ( 9 + 15) m

B A= $\frac{1}{2}$ (9) +(5)x

C A = $\frac{1}{2}$ (9 + 15)x

D A = $\frac{1}{2}$ (9) + (15)m

9. The table shows the relationship between the Area of Triangle and Area of Rectangle.

|  |  |
| --- | --- |
| Area of Triangle (T) | Area of Rectangle (R) |
| 2.5 | 5 |
| 3 | 6 |
| 4 | 8 |
| 5.5 | 11 |

Which equation can be used to find T, the area of a Triangle from R, area of a Rectangle?

A T = R - 2.5

B T = $\frac{R}{2}$

C T = T + 3

D T = R + 4

10. The figure represents a small container that takes a shape of rectangular prism. The dimensions of the container are given below. The container is filled with sugar. What is the volume of the sugar in the container?



A 18.5 $cm^{3}$

B 175.5 $cm^{3}$

C 35.1 $cm^{3}$

D 20.9 $cm^{3}$