**Homework Lesson #4- Geometry Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 1. What is the area of this parallelogram?     1. 50 cm2 2. 500 cm2 3. 625 cm2 4. 1,000 cm2 | 2. Find the area of the shaded region.   1. 38.25 yards2 2. 21.75 yards2 3. 98.25 yards2 4. 60 yards2 |
| 3. Amelia is putting cubes of side length ½ inch into a box that measures 3½ inches by 4 inches by 1½ inches. How many of the smaller cubes will it take her to fill the larger box?   1. 21 cubes 2. 42 cubes 3. 84 cubes 4. 168 cubes | 4. Three vertices of a square are placed at (4,7) (4, 3) and (8,3).  What is the coordinate of the fourth vertex?   1. (8,7) 2. (7,8) 3. (4,8) 4. (8,4) |
| 5. A rectangle has the following coordinates:  (-4,-7), (3,-7), (3,2), and (-4, 2).  What is the perimeter of this rectangle?   1. 16 units 2. 32 units 3. 24 units 4. 12 units | 6. Which point is located at (-4, 2)?   1. Point P C. Point R 2. Point Q D. Point S |
| 7. The net of a pyramid is shown below. Find the surface area of the pyramid.  Image result for triangular pyramid net   1. 168 m2 2. 465.75 m2 3. 818.1m2 4. 550.2 m2 | 8. What is the perimeter of this regular octagonal figure? |
| 9. The volume of a prism is 192 cm cubed. If the height is 4 cm and the length is 6 cm, what is the width of the prism in centimeters?   1. 8 cm 2. 4608 cm 3. 48 cm 4. 32 cm | 10. A juice box measures 2.5 inches wide, 3 inches high, and 1.1 inches deep. What is the volume in cubic inches, of four-pack of juice boxes?  A. 8.25cubic inches  B. 11 cubic inches  C. 33 cubic inches  D. 99 cubic inches |
| Use this diagram of a pool to answer question 11. | 11. Which shows the volume of the pool?   1. 60 ft3 2. 200 ft3 3. 1,000 ft3 4. 1,200 ft3 |
| 12. Sea Seasonings is making a box to hold its new Flavors of the Sea seasonings. The box shown below. Find the area of the cardboard needed to make one box?     1. 23 in.2 2. 50 in.2 3. 85 in.2 4. 500 in.2 | 13. Find the area of the figure below.  https://image.tutorvista.com/Qimages/QD/38546.gif   1. 84.5 ft2 2. 101 ft2 3. 260 ft2 4. 130 ft2 |
| 14. A teacher made a pair of foam dice to use in math game. Each cube measured 13 in. on a side. How many square inches of fabric were needed to cover the two cubes?   1. 1,014 in.2 2. 1,387.4 in.2 3. 2,028 in.2 4. 2,506 in.2 | 15. The surface area of a rectangular prism is 48 square feet. The area of its front is 4 square feet, and the area of one side is 10 square feet. What is the area of the top of the prism?   1. 13 ft2 2. 20 ft2 3. 12 ft2 4. 10 ft2 |
| Image result for volume fractional edge lengths16. Find the volume of the rectangular prism below.   1. 1680 inches3 2. 1728 inches3 3. 432 inches3 4. 27 inches3 | 17.  A storage box has a volume of 330 cubic units and a base of 44 square units. Find the height of the box.  A. 7 units  B. 7.5 units  C. 8 units  D. 14.5 units |