

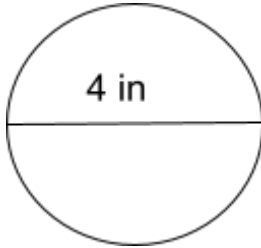
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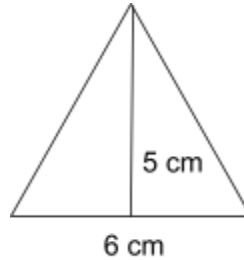
Review!!!

Wonderful work this year! Great job for doing all of this hard work! Here is one last recap of what was covered this year.

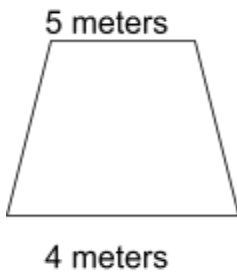
1. Find the area of the following shape:



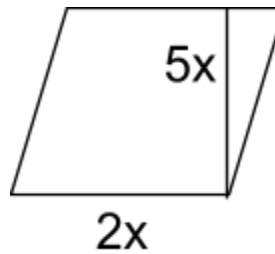
2. Find the area of the following shape:



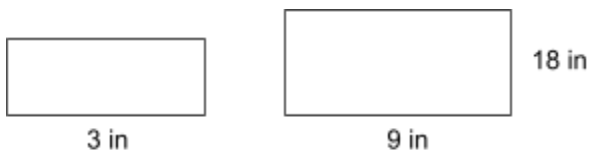
3. Find the height of the trapezoid if the area is 27 square meters:



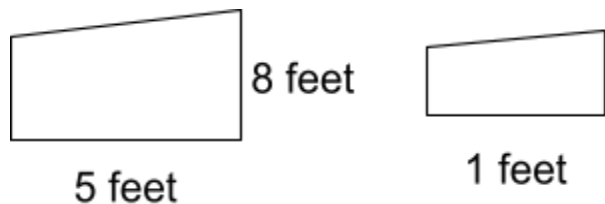
4. Find x if the area of the parallelogram is 810 square feet:



5. The rectangles below are similar. Find the area of the smaller rectangle.



6. Find the area of the smaller trapezoid if the larger trapezoid has an area of 40 square feet.



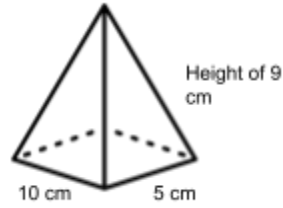
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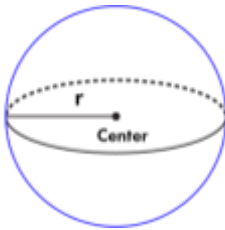
6. Find the volume of the shape:



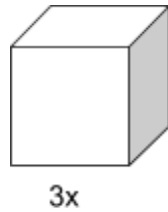
7. Find the volume of the shape:



8. Find the radius of the sphere if the volume is 972π cubic meters:



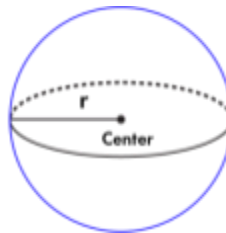
9. Find x if the volume of the cube is 5832 cubic feet:



10. Find the surface area of the shape:



11. Find r if the surface area of the sphere is 64π

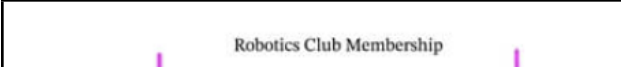


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<p>12. Jennifer has a cello in the shape of a pyramid. The base length of her cello is 6ft, width 6ft, and height 9ft. Calculate the area of the pyramid.</p>	<p>13. Lucas and Rohan are raking the pits for track and field jumps. Lucas is raking a pit with a length of 4, width of 2, and height of 9. Rohan is raking a pit with a length of 8, width of 4, and height of 3. Calculate both volumes and determine which has a bigger pit.</p>
<p>14. Grace and Malli do fencing. Grace beat Malli 8 times, tied against Malli 5, and lost against Malli 7.</p> <p>With this data what is the probability that Malli wins? What is also the probability of Grace winning and tying combined?</p>	<p>16. Emily and Hao are playing a game with a deck of cards. Emily needs to pull a card with hearts to win the game. What chance does Emily have with winning the game? Right now the deck has a total of 13 spades, 5 clubs, 10 hearts, and 7 diamonds.</p>
<p>17. Seven Willet kids, twelve Patwin kids, and nineteen Korematsu kids are at a track meet. What are the chances that the 1st five runners are Patwin or Willet kids?</p>	<p>18. At Davis High School, there are 150 students, and 40 of them play basketball, 60 play football, and 30 play both sports. What is the probability that a randomly chosen student plays at least one of the sports?</p>

The following graph shows the amount of members for our DHS citrus circuit members per year.

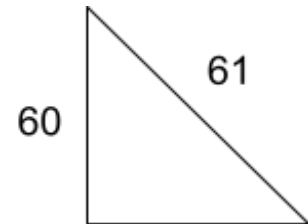
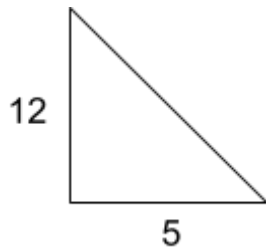
	Find the following values:
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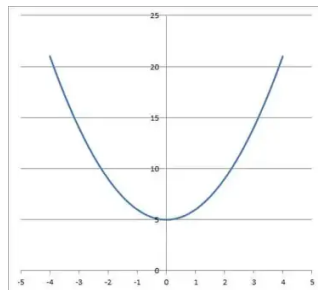
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	<p>Mean:</p> <p>Median:</p> <p>Mode:</p>
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Arav is assigned a job at the intergalactic federation of Galactica. He is asked to find both of the triangles missing sides.



What kind of function is shown at the right?



What is one divided by x as x approaches infinity?

$$\lim_{x \rightarrow \infty} \frac{1}{x} =$$

23) Draw the pascal triangle. 7 rows will be good enough.

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24) Write out Fibonacci's sequence to 15 places

24) How can you find Fibonacci's Sequence in the triangle? Show on your Pascal's Triangle above how to find Fibonacci's Sequence.