

Algebra and Geometry Review 12

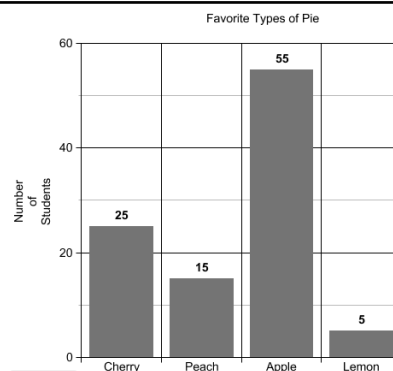
1. If $\frac{a}{6} + \frac{a}{3} = 2$ solve for a?

2. What is a tetrahedron?

3 and 4. According to the bar graph:

A) What type of pie do students like the least?

B) What two types of pie do 80 of the students like the most?

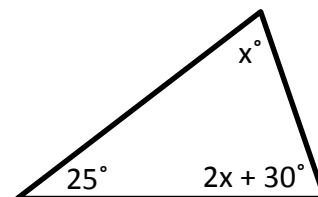


5. An iPad is regularly priced at \$400. It is on sale for 20% off. You must also pay sales tax of 7%. If you buy it on sale, how much do you have to pay total?

6. How large are the angles in a triangle that has sides of length 3, 4, and 5? [HINT: Is this a right triangle?]

7. Write the equation of a line that goes through the points (-1, -4) and (3, -5). Write your answer in slope-intercept form.

8. Find the value of x.



9. Simplify. Use only positive exponents in your answer.

$$\frac{3x^3y^2z}{6x^2y^3z^4}$$

10. A circle has its center at (-2, 3) and a radius of 5. What is the equation for the circle?