



Introduction to Trigonometric Functions

1. Draw a ray horizontally on the graph paper coinciding with one of the gridlines.
2. Use the protractor to draw another ray, creating a 30° angle
3. Label the vertex of the angle you have created A.
4. Draw a vertical line from any point the initial ray until it intersects with the terminal ray.
5. Label the point of the triangle you have created that is on the horizontal ray C.
6. Label the last point of the triangle you have created B.
7. Label the side opposite angle A side a; Label the side opposite angle B side b; Label the side opposite angle C side c;
8. Measure the lengths of all the sides of your triangle in centimeters.

Length of a = _____ Length of b = _____ Length of c = _____

$$\frac{\text{length of } a}{\text{length of } c} =$$

$$\frac{\text{length of } b}{\text{length of } c} =$$

$$\frac{\text{length of } a}{\text{length of } b} =$$