



- Cut out the attached right triangles leaving only the black edge.
- Calculate the missing angles and use trig ratios to label the missing sides.  
*(round to 2 decimal places)*
- Position each triangle on the coordinate grid above in such a way that you can label a point in each of the four quadrants for every non-right angle. *(see example above for 45°)*
- Discuss all the questions on the attached page in your group and jot down your conclusions.

❖ Calculate the tangent for each non-right angle: Which triangles have the same tangent value?

❖ Discuss what connection the quadrants seem to have with the tangent values.

❖ Discuss any and all connections or conclusions you came up with during this activity.

---Cut here---

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