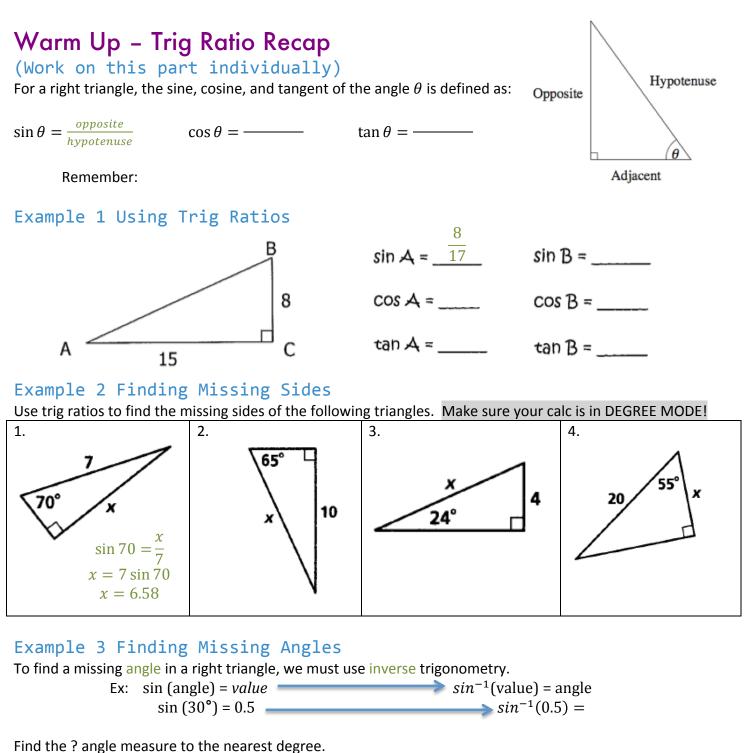
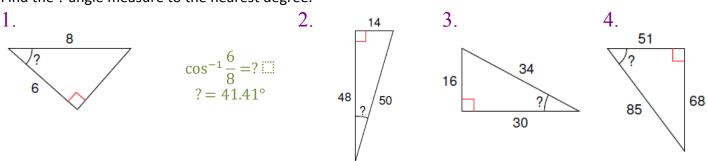
# Right Triangle Trig Review





#### Still confused on the right triangle trig ratios? Try watching:

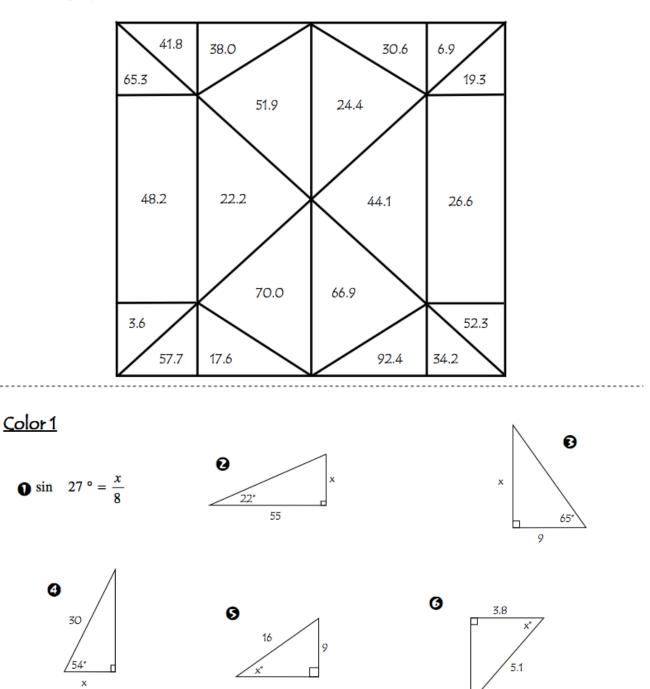
https://www.khanacademy.org/math/trigonometry/basic-trigonometry/basic\_trig\_ratios/v/basic-trigonometry

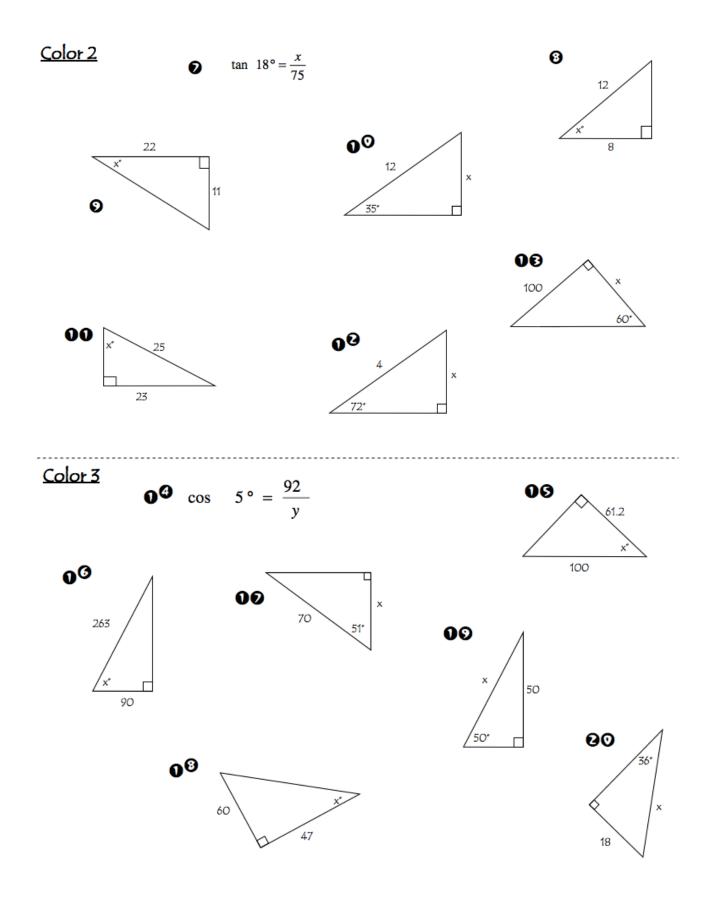
https://www.khanacademy.org/math/trigonometry/basic-trigonometry/basic\_trig\_ratios/v/example-trig-to-solve-the-sides-and-angles-of-a-right-triangle

## Task 1 – Trig Ratio Puzzle

(Work on this part with your table partner)

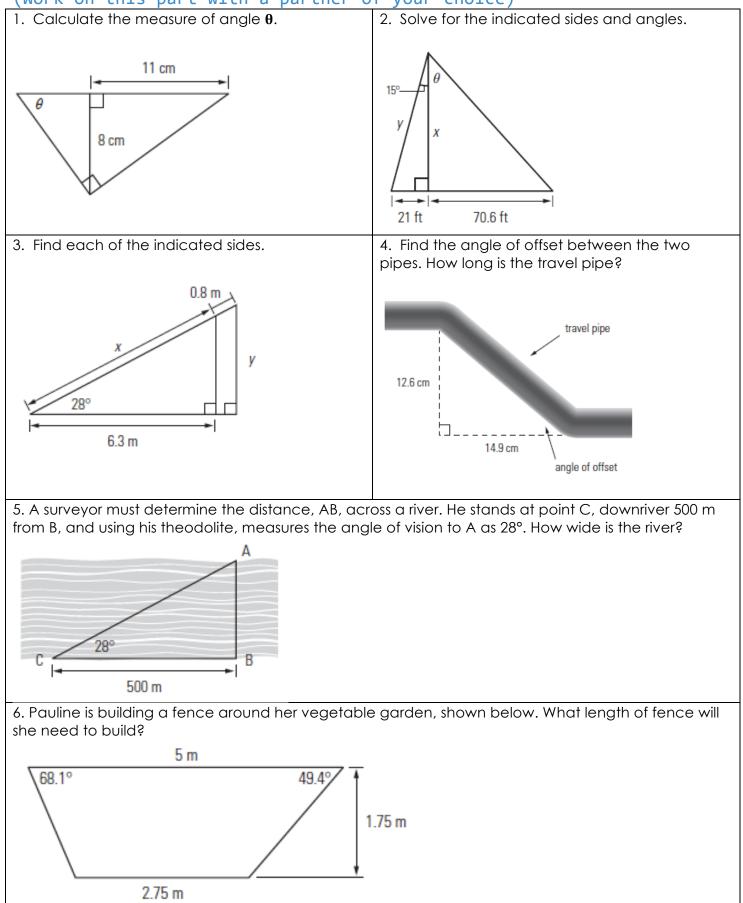
**Directions:** Find the value of x in the following problems. Then, find the answer in the puzzle above and color that piece according to your color chart. The answers will only be used once and not all answers will be used.

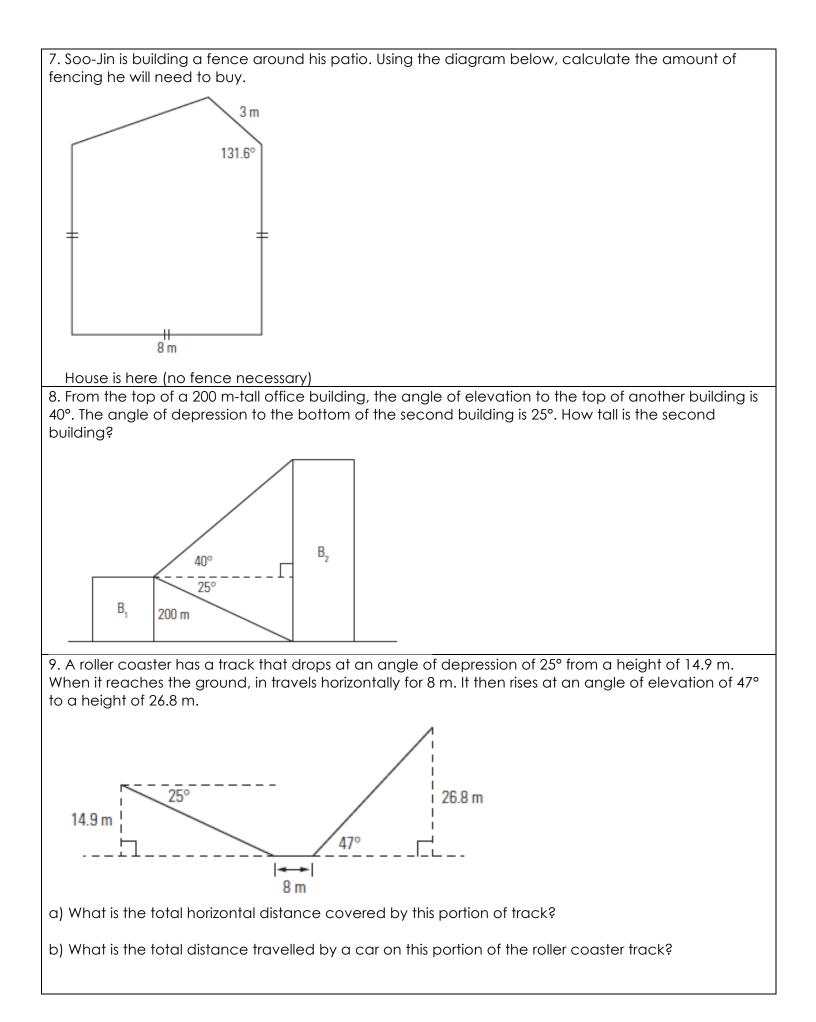




## Task 2 – Applying Trig Ratios

(Work on this part with a partner of your choice)





10. You're traveling on a road trip and you notice a mountain directly in front of you. The angle of elevation to the peak is 3.5 degrees. After you drive 13 miles closer to the mountain, the angle of elevation is 9 degrees.

- Draw a picture.
- Approximate the height of the mountain. (Hint: You may need to use substitution!)

#### Assignment Bonus Points -

With a partner, create an Educreations video that completely explains one of the problems in Task Two #4-10. Make sure to email the video to Ms. Hahn when complete!

## Upload this document completed to Schoology by class tomorrow!