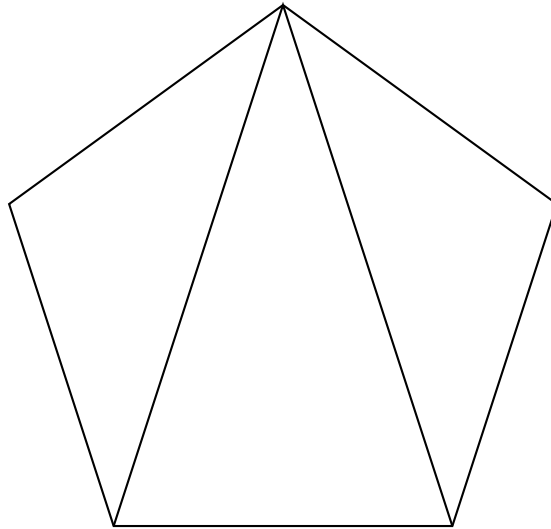
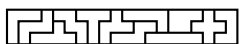


τ rigonometry

1. Label all the angles in the above figure. Assume that the length of the sides of the pentagon is 1. What must be the length of the two diagonals of the pentagon?
2. By drawing right triangles in the above figure as appropriate, fill in the chart on the back of this page. Use results from Chapter 0 as necessary, such as (0.7), (0.11) or (0.12).



$$\cos 18^\circ =$$

$$\sin 18^\circ =$$

$$\cos 36^\circ =$$

$$\sin 36^\circ =$$

$$\cos 54^\circ =$$

$$\sin 54^\circ =$$

$$\cos 72^\circ =$$

$$\sin 72^\circ =$$

$$\cos 108^\circ =$$

$$\sin 108^\circ =$$

$$\cos 144^\circ =$$

$$\sin 144^\circ =$$

