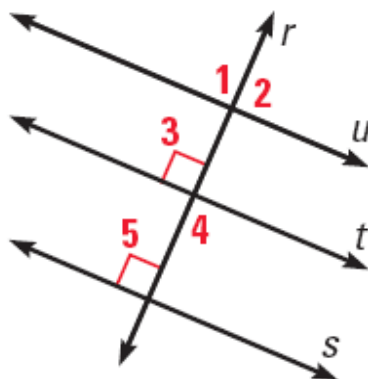


Name: \_\_\_\_\_

## Perpendicular Lines

- A) In the diagram,  $r \perp s$  and  $r \perp t$ . Determine whether enough information is given to conclude that the statement is true. Explain your reasoning.

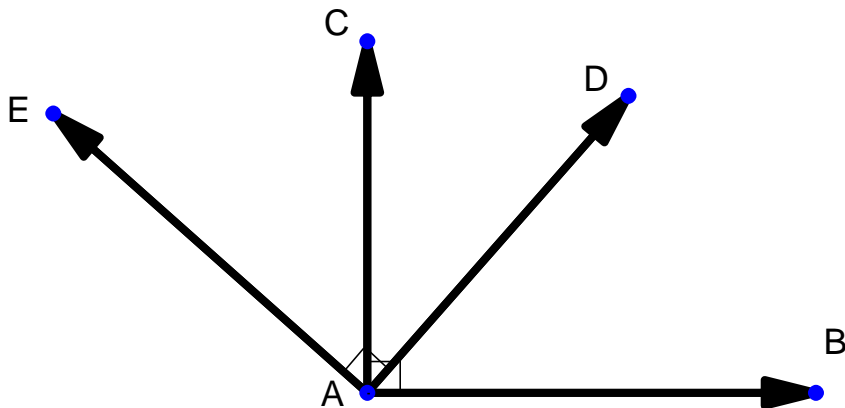


1)  $\angle 3 \cong \angle 5$

2)  $\angle 4 \cong \angle 5$

3)  $\angle 2 \cong \angle 3$

B) Given that  $\overline{AE} \perp \overline{AD}$  and  $\overline{AB} \perp \overline{AC}$



4) If  $m\angle EAC = 58^\circ$ , find  $m\angle DAC$

5) If  $m\angle DAC = 47^\circ$ , find  $m\angle DAB$

6) If  $m\angle DAC = 43^\circ$ , find  $m\angle EAC$  and  $m\angle DAB$