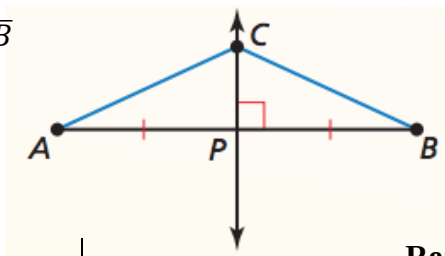


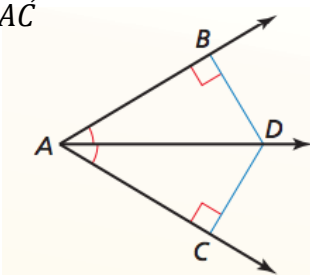
Period:

Approx. 7 steps



Reasons

Approx. 8 steps

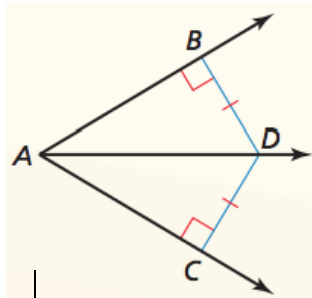


Reasons

3. **Given:** $\overrightarrow{DB} \perp \overrightarrow{AB}$ and $\overrightarrow{DC} \perp \overrightarrow{AC}$ and $DB = DC$

Prove: $\overrightarrow{AD}$ bisects $\angle BAC$

Approx. 8 steps



Statements

Reasons

4. Write the equation of the line passing through $(3, 1)$ and is perpendicular to the line $y = \frac{1}{3}x - 5$
(yes this is review from Chapter 3, and there is a reason WHY we are reviewing it!!!! *wink* *wink*)

5. At which point do the two lines from the last problem intersect? (the given and the one you found)