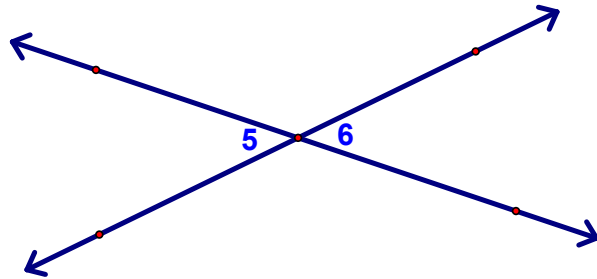


3.

Given: $\angle 5 = (2x + 7)^\circ$
 $\angle 6 = (x + 25)^\circ$

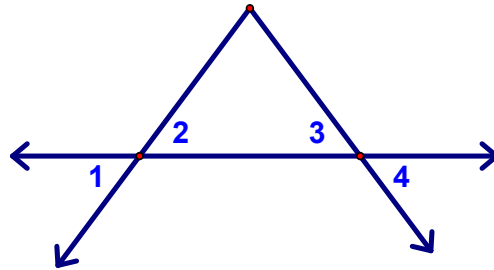
Find: $m\angle 5$



5.

Given: $\angle 1 \cong \angle 4$

Prove: $\angle 2 \cong \angle 3$

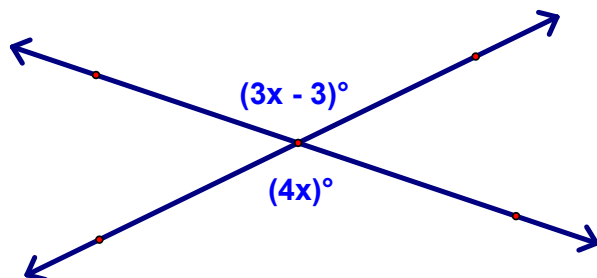


Statements

Reasons

7.

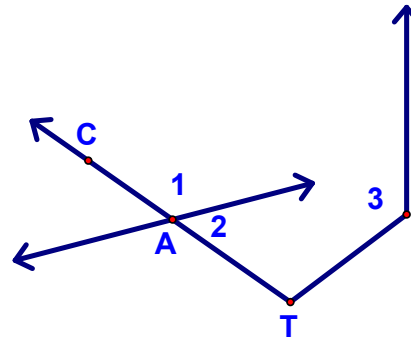
Is this possible?



9.

Given: $\angle 1 \cong \angle 3$

Prove: $\angle 2$ is supp. to $\angle 3$

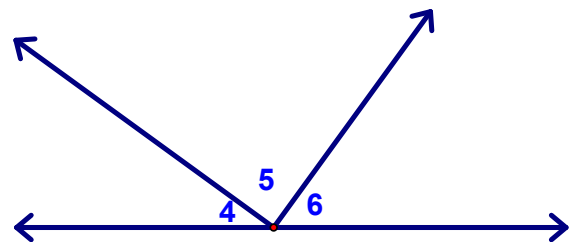


Statements

Reasons

12.

Angles 4, 5, and 6 are in the ratio 2:5:3.
Find the measure of each angle.



13.

If a pair of vertical angles are supplementary, what can we conclude about the angles?

14.

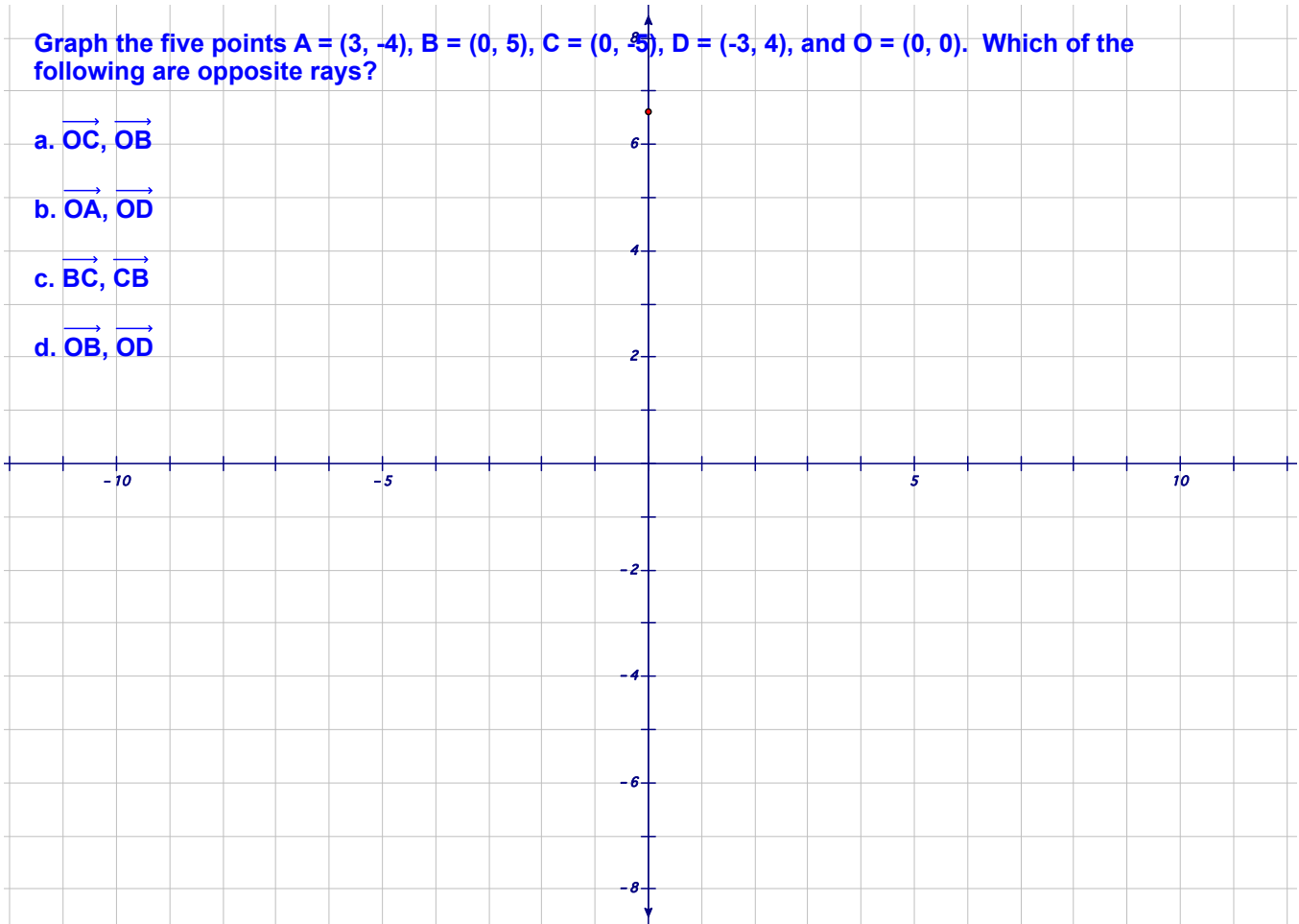
Graph the five points $A = (3, -4)$, $B = (0, 5)$, $C = (0, -5)$, $D = (-3, 4)$, and $O = (0, 0)$. Which of the following are opposite rays?

a. \overrightarrow{OC} , \overrightarrow{OB}

b. \overrightarrow{OA} , \overrightarrow{OD}

c. \overrightarrow{BC} , \overrightarrow{CB}

d. \overrightarrow{OB} , \overrightarrow{OD}



15.

Find $m\angle 1$

