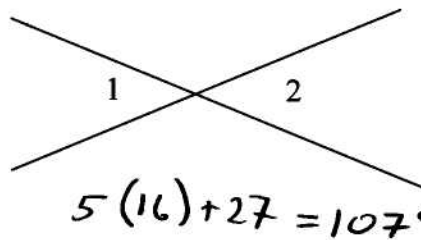


1. Identify the conclusion of the statement "If today is ^{hyp} Tuesday, then ^{conc} tomorrow is Wednesday."

- a. Today is not Tuesday
- b. Today is Wednesday
- c. Today is Tuesday
- d. Tomorrow is Wednesday

2. Refer to the figure at the right. If $m\angle 1 = 7x - 5$ and $m\angle 2 = 5x + 27$, what is the measure of $\angle 2$?



- a. ~~16°~~
- b. 32°
- c. 107°
- d. 73°

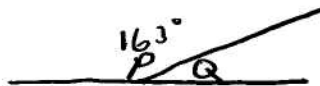
$$7x - 5 = 5x + 27$$

$$2x = 32$$

$$\rightarrow x = 16^\circ$$

$$5(16) + 27 = 107^\circ$$

3. $\angle P$ and $\angle Q$ form a linear pair and $m\angle P = 163$. Find $m\angle Q$. Draw and Label a figure, then answer the question



$$180 - 163 = 17$$

- a. 73°
- b. 17°
- c. 107°
- d. 90°

Choose the law that justifies each statement in problems 4-10.

4. If $\overline{AB} \cong \overline{XY}$ and $\overline{XY} \cong \overline{QS}$, then $\overline{AB} \cong \overline{QS}$.

- a. addition
- b. transitive
- c. reflexive
- d. none

5. If $m\angle A = m\angle B$, then $m\angle B = m\angle A$

- a. symmetric
- b. transitive
- c. reflexive
- d. none

6. If $XY - YZ = XM$, then $XY = XM + YZ$

- a. addition
- b. substitution
- c. multiplication
- d. none

7. If $m\angle A + m\angle B = 90^\circ$, and $m\angle A = 30^\circ$, then $30^\circ + m\angle B = 90^\circ$.

- a. addition
- b. substitution
- c. multiplication
- d. none