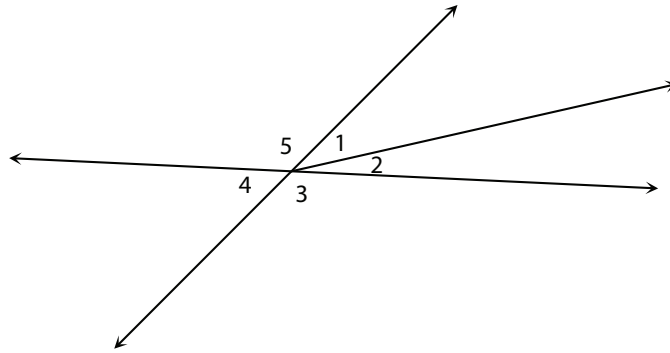
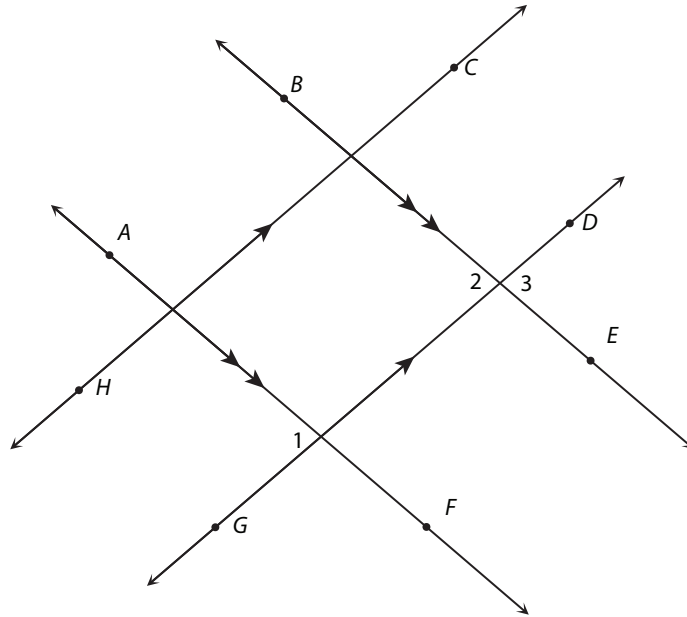


3. If $m\angle 1 = x + 7$, $m\angle 2 = 2(x + 2)$, and $m\angle 4 = 2(x + 13)$ in the diagram below, find $m\angle 4$.



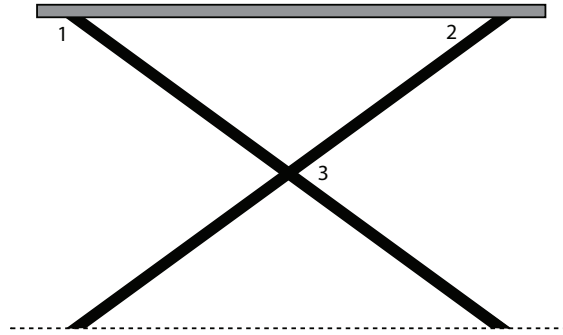
- a. 22°
- b. 34°
- c. 47°
- d. 56°

4. There are two sets of parallel lines in the diagram below. Find $m\angle 2$ if $m\angle 1 = 10x - 4$ and $m\angle 3 = 7x + 20$.



- a. 14°
- b. 90°
- c. 76°
- d. 104°

Use the following diagram of a table to complete problem 11. The floor is represented by a dashed line.



11. What is $m\angle 3$ given that the tabletop is parallel with the floor, $m\angle 1 = 134$, and $m\angle 2 = 46$? Draw a diagram and justify your reasoning.