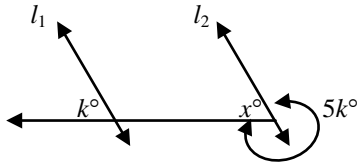
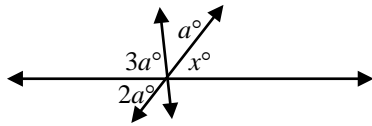


4. In the figure above, $l \parallel m$ and \overline{AD} bisects $\angle CDB$. What is the value of x ?
- A. 35°
 - B. 42.5°
 - C. 52.5°
 - D. 61°
 - E. 64°



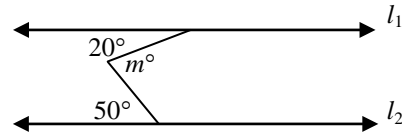
5. What is the value of k if $l_1 \parallel l_2$?
- A. 20°
 - B. 25°
 - C. 30°
 - D. 60°
 - E. 72°



Note: figure not drawn to scale.

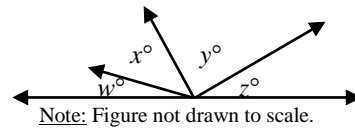
6. In the figure above, a single point is the intersection of all three lines. What is the value of x ?
- A. $22\frac{1}{2}^\circ$
 - B. 30°
 - C. 45°
 - D. 60°
 - E. 90°

SET C (Difficult)



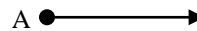
1. In the figure above, if $l_1 \parallel l_2$ what is the value of m ?
- A. 55°
 - B. 60°
 - C. 65°
 - D. 70°
 - E. 110°

2. If it is 8:30 on a standard 12-hour clock, what is the degree measure of the smaller angle formed by the hour and minute hands?
- A. 30°
 - B. 45°
 - C. 60°
 - D. 75°
 - E. 90°



Note: Figure not drawn to scale.

3. In the figure above, $x = 2w$, $y = 2x$, and $z = \frac{5}{4}y$. What is the value of w ?
- A. 12
 - B. 15
 - C. 18
 - D. 24
 - E. 30



4. Points B and C lie to the right of point A. If $2AB = 3AC$, what is the ratio of BC to AC?