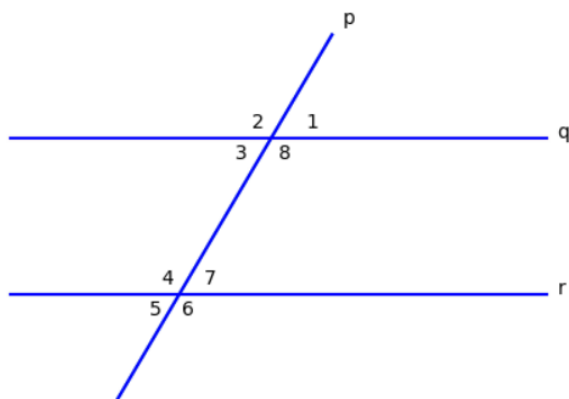
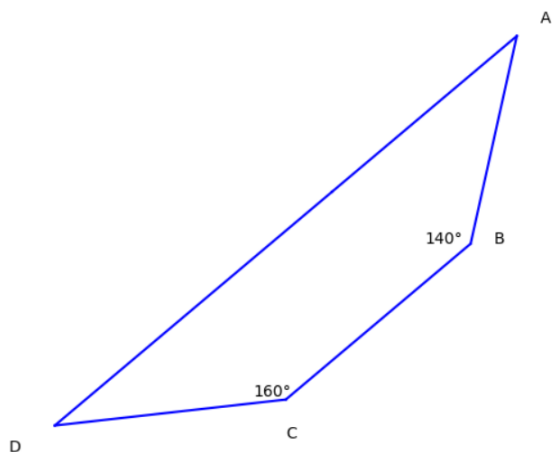


Parallel Lines and Angles

1. In the figure below, parallel lines q and r are intersected by transversal p , forming the numbered angles. Which of the following congruence statements is NOT necessarily true?



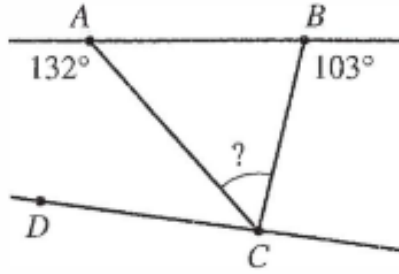
- A. $\angle 1 \cong \angle 7$
B. $\angle 2 \cong \angle 4$
C. $\angle 3 \cong \angle 5$
D. $\angle 4 \cong \angle 5$
E. $\angle 5 \cong \angle 7$
2. In the trapezoid below, \overline{AD} is parallel to \overline{BC} . What is the measure of $\angle A$?



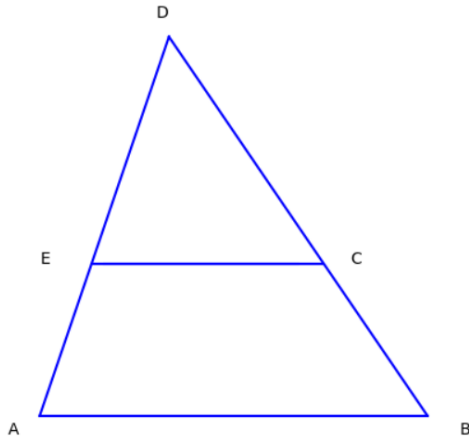
- A. 20°
B. 40°
C. 130°
D. 140°
E. 160°

3. The figure below shows lines \overline{AB} and \overline{DC} , line segments \overline{AC} and \overline{BC} , and 2 angle measures. What is the measure of $\angle ACB$?

- A. $38\frac{1}{2}^\circ$
 B. 42°
 C. 48°
 D. 55°
 E. 77°



4. In the figure below, segments AB and CE are parallel. If angle DCE measures 50° and angle ADB measures 60° , what is the measure of angle DAB ?



- A. 30°
 B. 40°
 C. 50°
 D. 60°
 E. 70°

5. In the figure below, line l is parallel to line m . What is the value of y ?

- A. 70
 B. 100
 C. 110
 D. 120
 E. 150

