

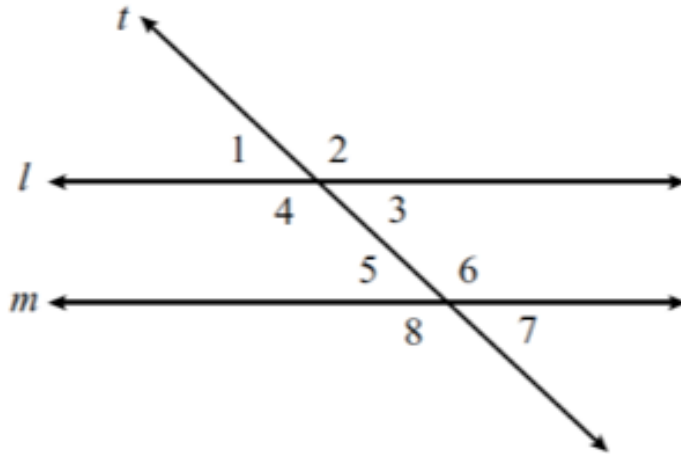
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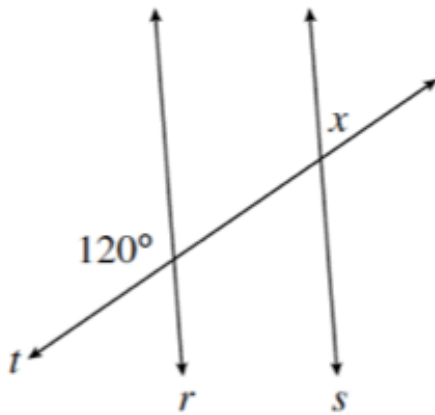
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### Angles Practice

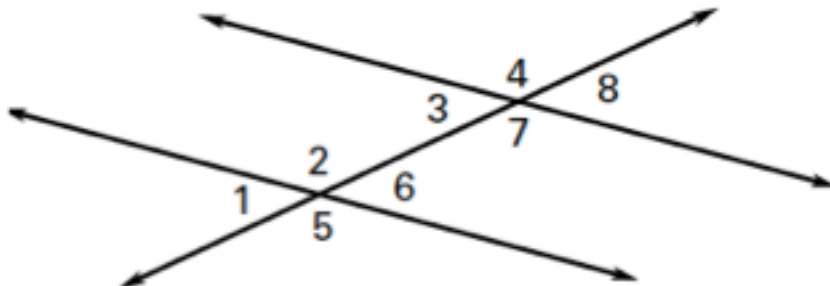
1. If the measure of angle 1 is 55 degrees, fill in all other angle measures.



2. If the measure of angle  $tr$  is 120 degrees, fill in all other angle measures.



3. If the measure of angle 5 is 128 degrees, what is the measure of angle 3?

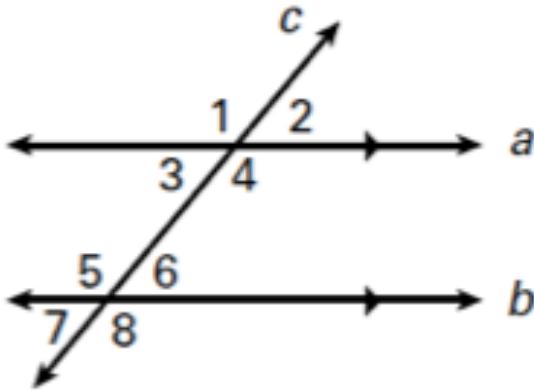


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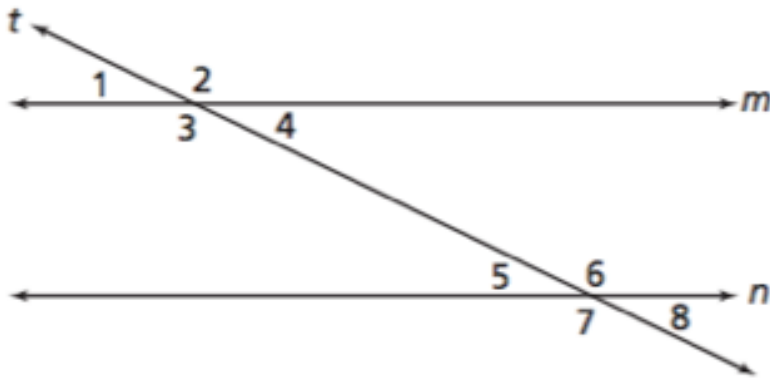
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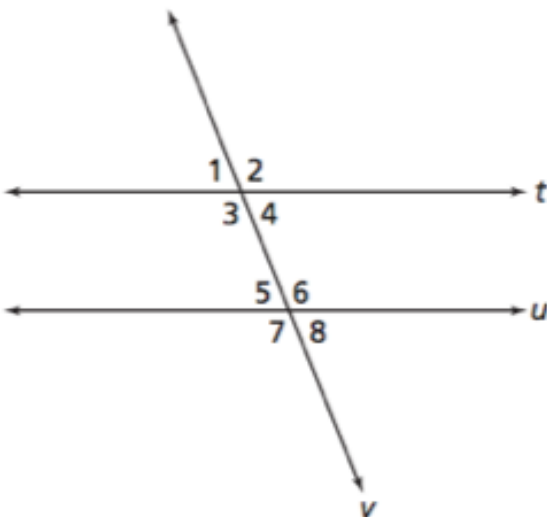
4. If the measure of angle 7 is 23 degrees, fill in all other angle measures.



5. If the measure of angle 3 is 165 degrees, fill in all other angle measures.



6. If the measure of angle 1 is 78 degrees, what is the measure of angle 4?

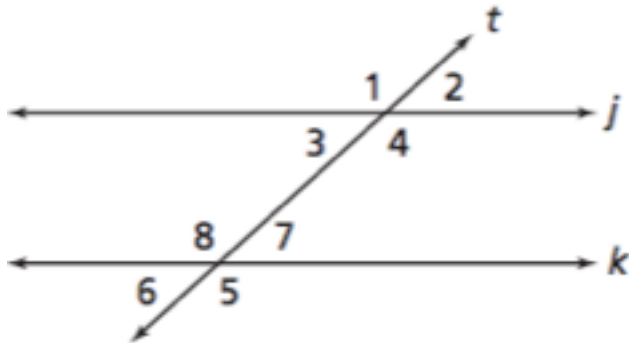


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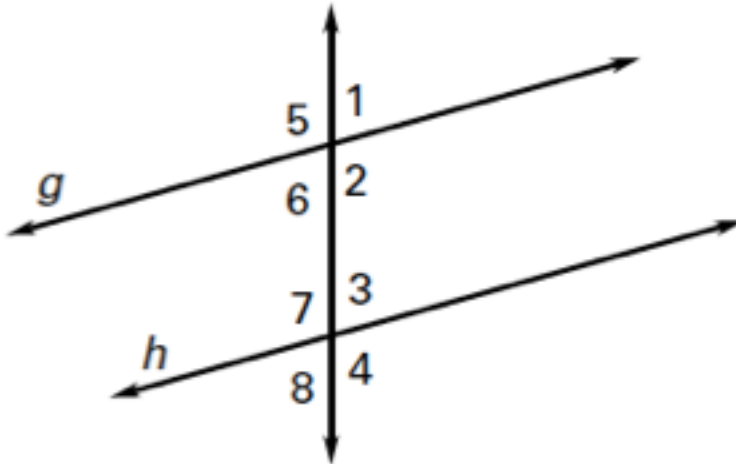
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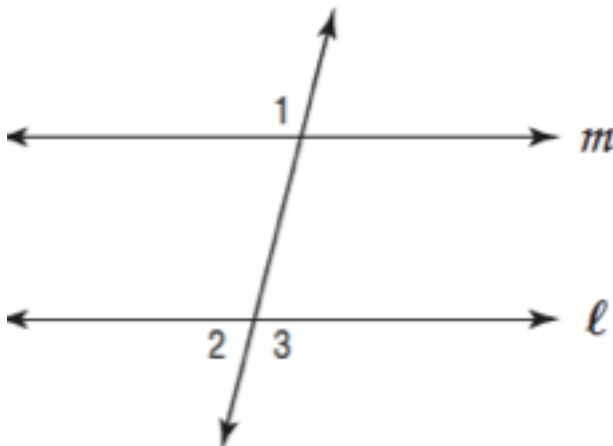
7. If the measure of angle 6 is 38 degrees, fill in all other angle measures.



8. If the measure of angle 2 is 109 degrees, fill in all other angle measures.



9. If the measure of angle 1 is 93 degrees, what is the measure of angle 3?



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10. First, draw a picture to go with this problem. Then, solve it by labeling all of the angles.

Corresponding angles  $A$  and  $B$  are formed when a pair of parallel lines is cut by a transversal. If  $m\angle A = 17^\circ$ , what is the measure of  $\angle B$ ?

**A**  $17^\circ$

**B**  $73^\circ$

**C**  $107^\circ$

**D**  $163^\circ$

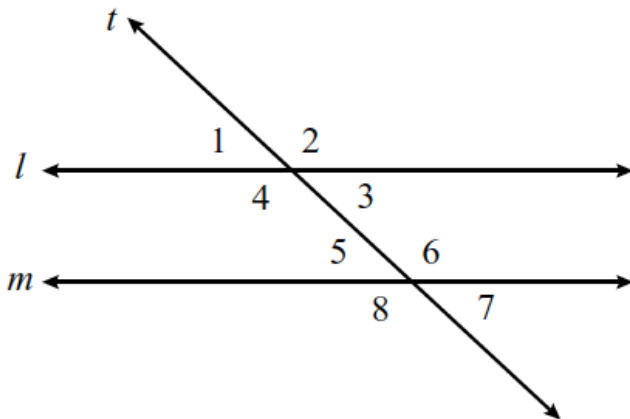
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### Angles Practice 2

1.



The measure of  $\angle 8$  is  $135^\circ$ . What is the measure of  $\angle 3$ ?

**F**  $45^\circ$

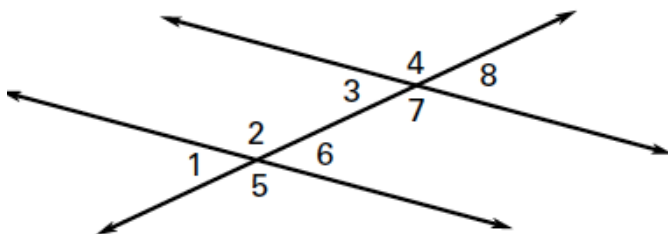
**G**  $55^\circ$

**H**  $60^\circ$

**J**  $135^\circ$

2.

The parallel lines below are intersected by a transversal. The measure of  $\angle 8$  is  $38^\circ$ . What is the measure of  $\angle 2$ ?



**F**  $38^\circ$

**G**  $52^\circ$

**H**  $142^\circ$

**J**  $152^\circ$

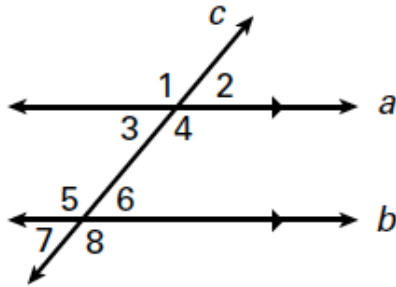
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3.

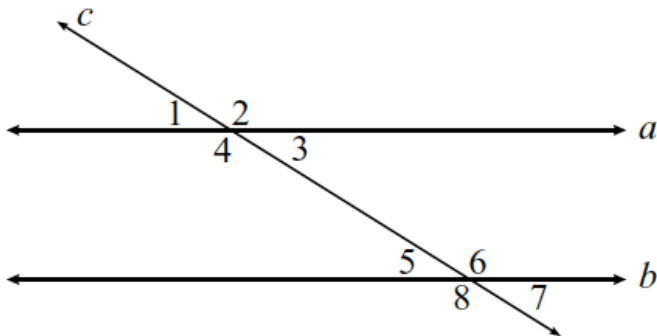
In the diagram below, transversal  $c$  intersects parallel lines  $a$  and  $b$ .



The measure of  $\angle 6$  is  $49^\circ$ . What is the measure of  $\angle 3$ ?

- F**  $41^\circ$
- G**  $49^\circ$
- H**  $131^\circ$
- J**  $229^\circ$

4.



The measure of  $\angle 7$  is  $31^\circ$ . What is the measure of  $\angle 6$ ?

- F**  $59^\circ$
- G**  $121^\circ$
- H**  $151^\circ$
- J**  $149^\circ$

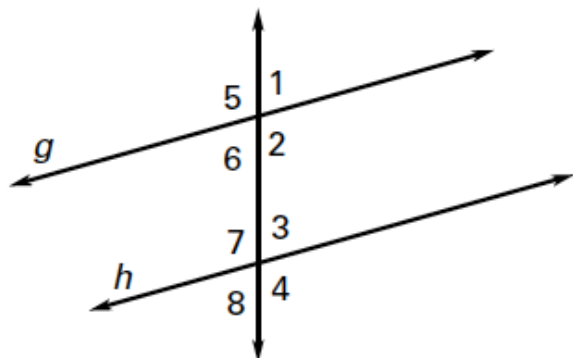
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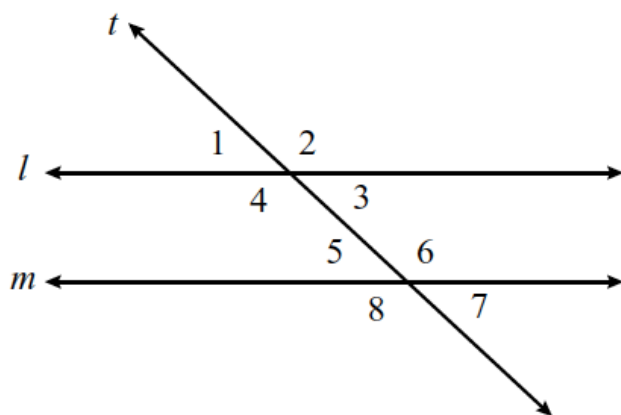
5.

In the diagram below, lines  $g$  and  $h$  are parallel. The measure of  $\angle 5$  is  $107^\circ$ . What is the measure of  $\angle 3$ ?



- A**  $17^\circ$
- B**  $73^\circ$
- C**  $93^\circ$
- D**  $107^\circ$

6.



The measure of  $\angle 4$  is  $137^\circ$ . What is the measure of  $\angle 5$ ?

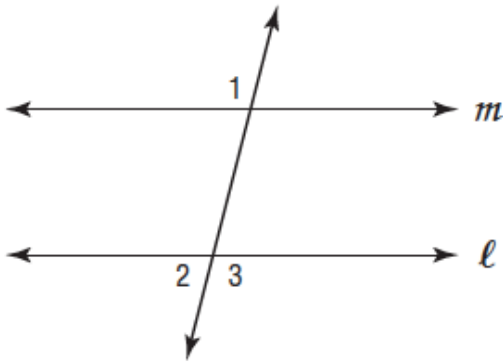
- A**  $43^\circ$
- B**  $53^\circ$
- C**  $137^\circ$
- D**  $223^\circ$

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7.



If  $m\angle 2 = 77^\circ$ , what is  $m\angle 1$ ?

**F**  $13^\circ$

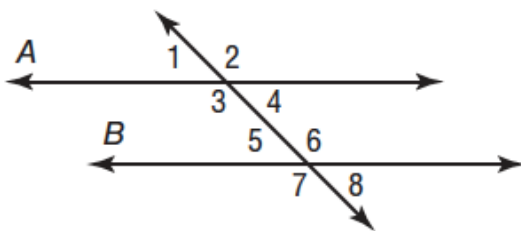
**G**  $77^\circ$

**H**  $103^\circ$

**J**  $167^\circ$

8.

Lines  $A$  and  $B$  shown in the figure below are parallel. What is the measure of  $\angle 6$  if the measure of  $\angle 1 = 27^\circ$ ?



**A**  $27^\circ$

**B**  $63^\circ$

**C**  $117^\circ$

**D**  $153^\circ$



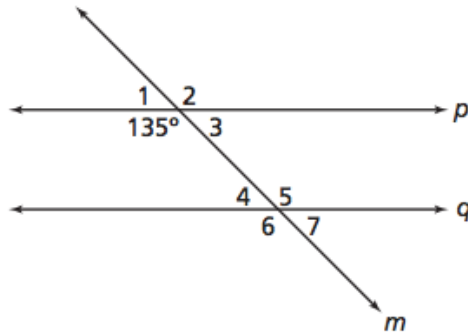
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9.

In this figure, Lines  $p$  and  $q$  are parallel and Line  $m$  is a transversal.



What is the measure of  $\angle 7$ ?

**F**  $45^\circ$

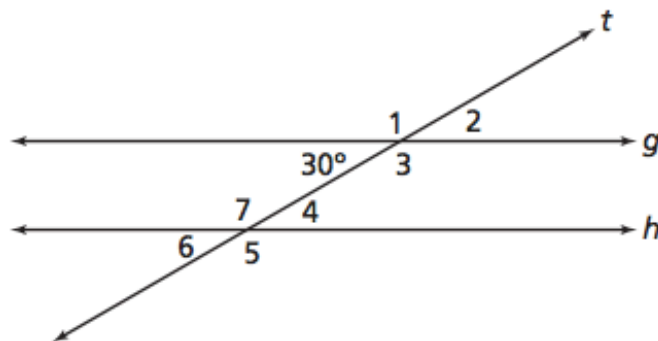
**G**  $55^\circ$

**H**  $135^\circ$

**J**  $225^\circ$

10.

Lines  $g$  and  $h$  are parallel lines cut by Transversal  $t$ , as shown in the figure below.



What is the measure of Angle 5?

**F**  $30^\circ$

**G**  $60^\circ$

**H**  $150^\circ$

**J**  $210^\circ$

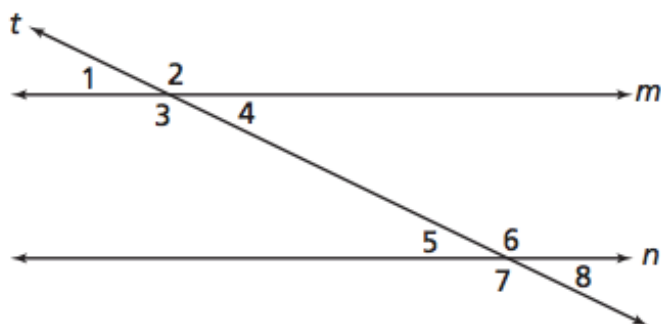
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11.

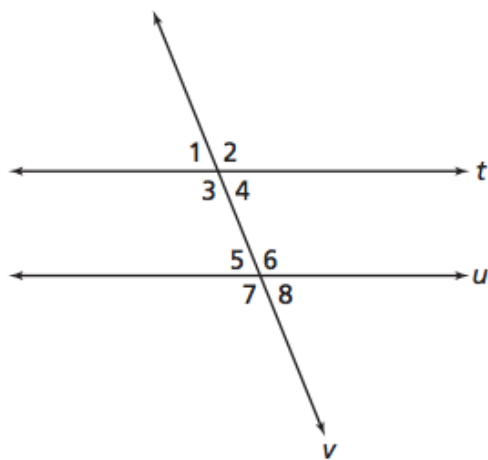
Lines  $m$  and  $n$  are parallel and cut by Transversal  $t$ , as shown in the figure below.



Based on this figure, which statement is not true?

- A**  $m\angle 1 + m\angle 8 = 180^\circ$
- B**  $m\angle 3 = m\angle 6$
- C**  $m\angle 2 + m\angle 5 = 180^\circ$
- D**  $m\angle 4 = m\angle 5$

12.



If the measure of Angle 2 is  $112^\circ$ , what is the measure of  $\angle 5$ ?

- A**  $68^\circ$
- B**  $72^\circ$
- C**  $112^\circ$
- D**  $248^\circ$