

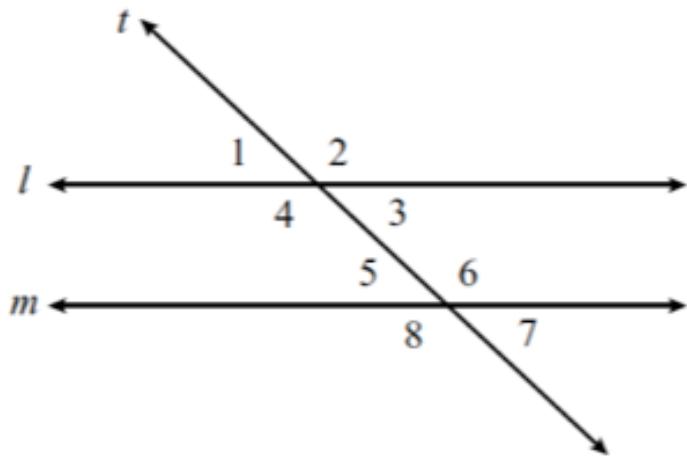
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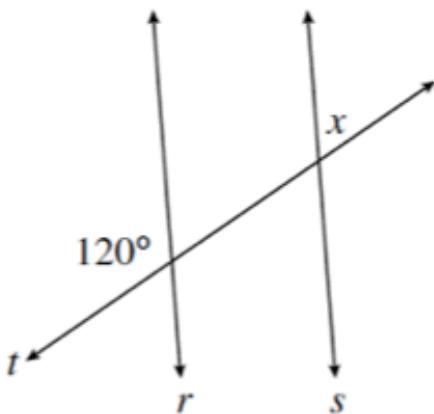
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Angles Practice

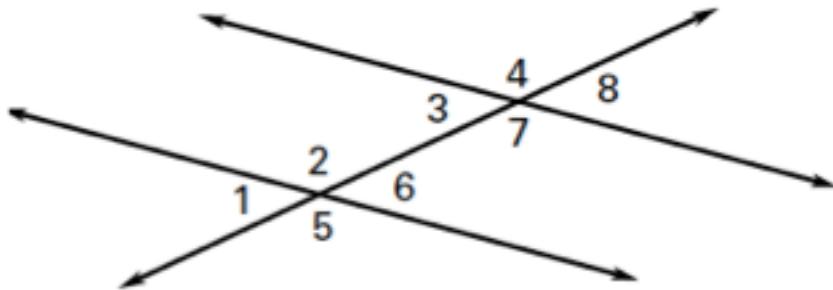
1. If the measure of angle 1 is 55 degrees, fill in all other angle measures.



2. If the measure of angle $t r$ 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?

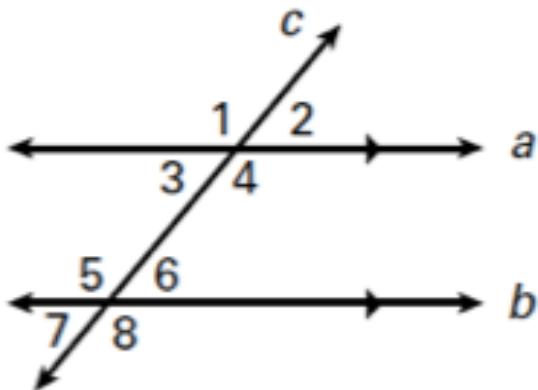


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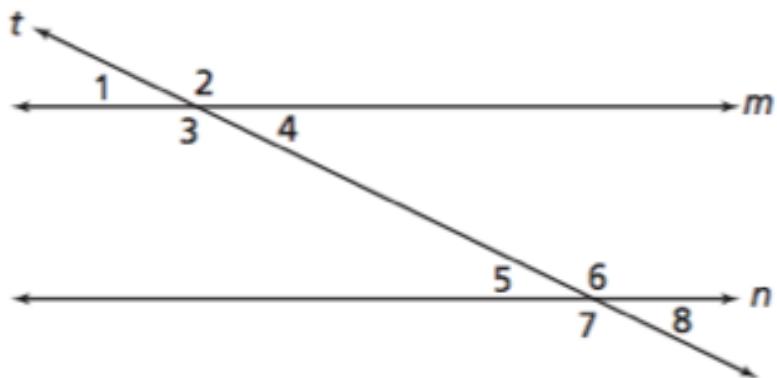
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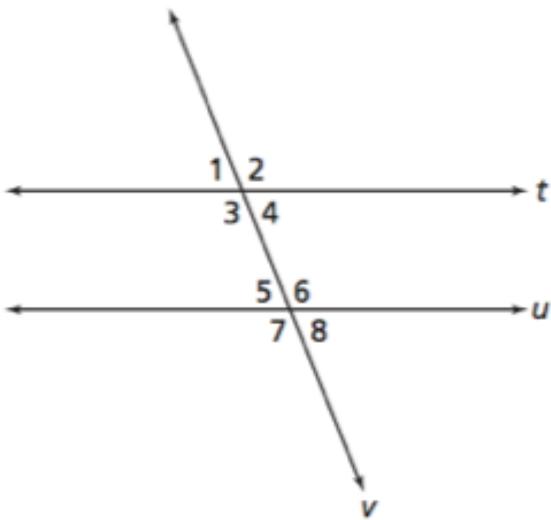
4. If the measure of angle 7 is 23 degrees, fill in all other angle measures.



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?

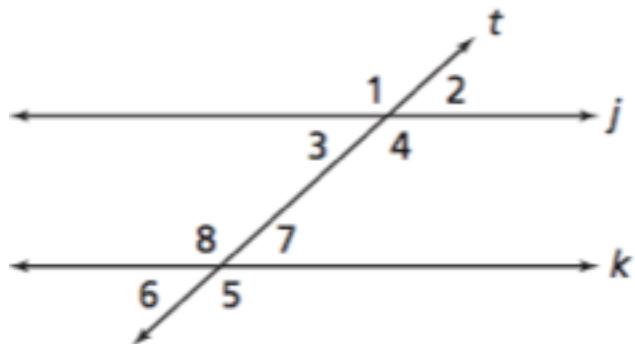


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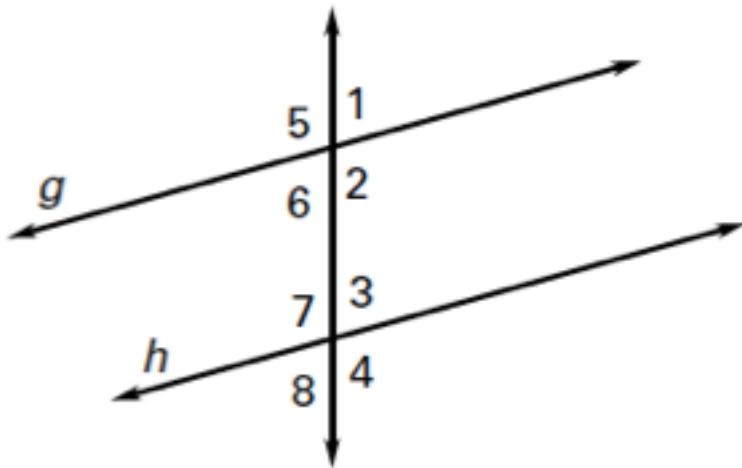
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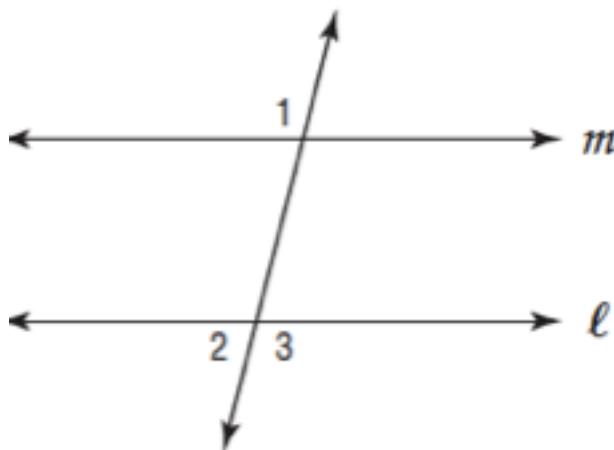
7. If the measure of angle 6 is 38 degrees, fill in all other angle measures.



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°
- B** 73°
- C** 107°
- D** 163°

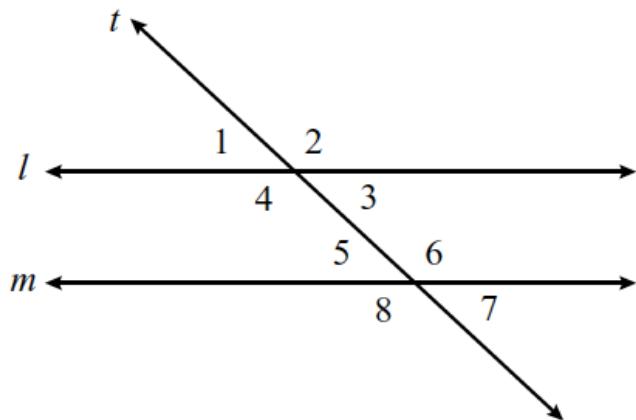
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Angles Practice 2

1.



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

F 45°

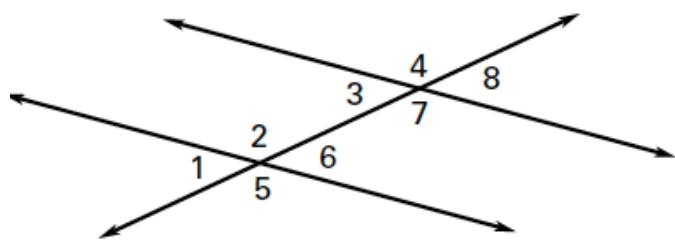
G 55°

H 60°

J 135°

2.

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



F 38°

G 52°

H 142°

J 152°

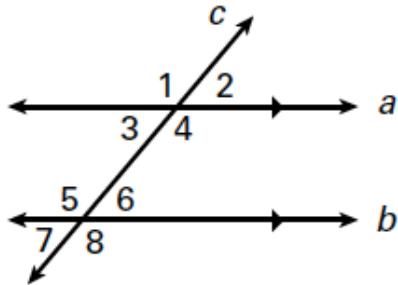
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3.

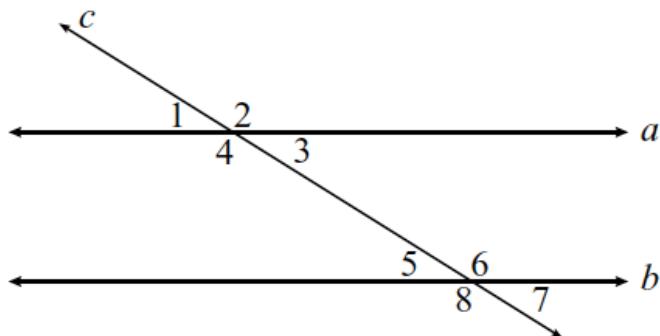
In the diagram below, transversal c intersects parallel lines a and b .



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

- F** 41°
- G** 49°
- H** 131°
- J** 229°

4.



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

- F** 59°
- G** 121°
- H** 151°
- J** 149°

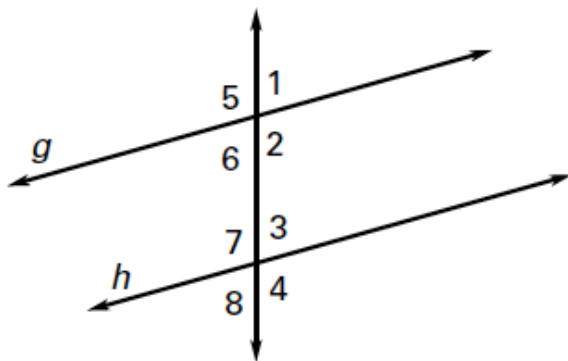
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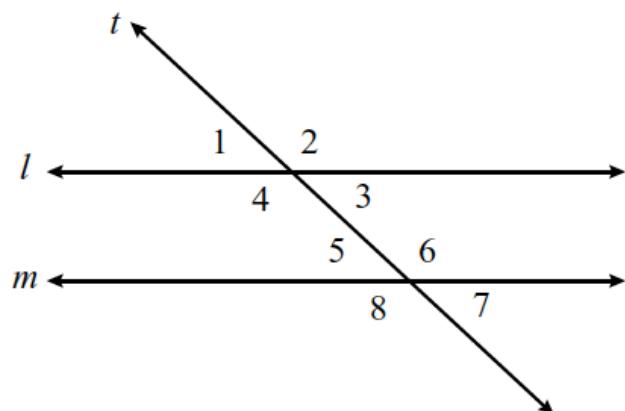
5.

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



- A** 17°
- B** 73°
- C** 93°
- D** 107°

6.



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

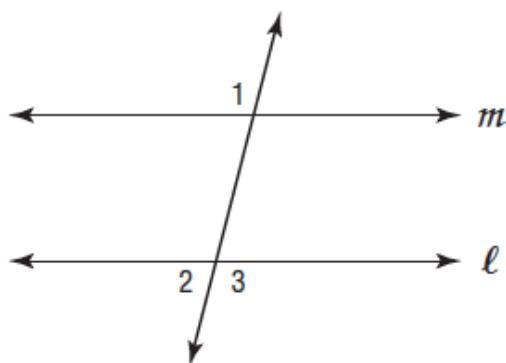
- A** 43°
- B** 53°
- C** 137°
- D** 223°

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7.

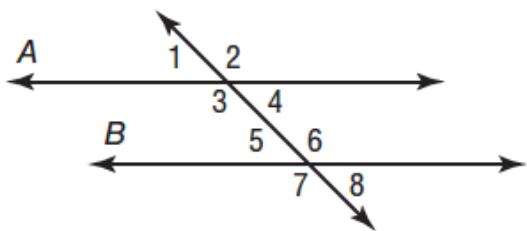


If $m\angle 2 = 77^\circ$, what is $m\angle 1$?

- F** 13°
- G** 77°
- H** 103°
- J** 167°

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°
- B** 63°
- C** 117°
- D** 153°

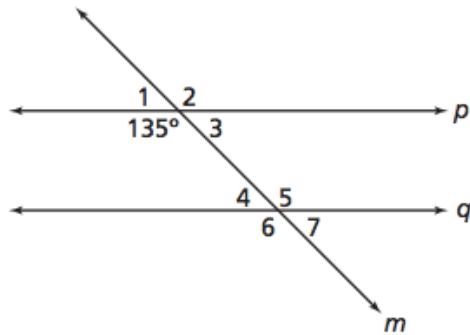
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9.

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

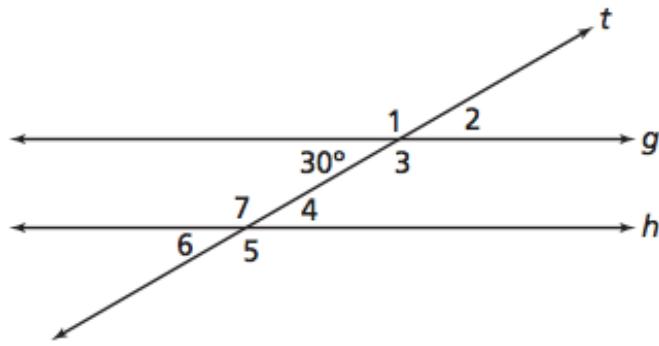


What is the measure of $\angle 7$?

- F** 45°
- G** 55°
- H** 135°
- J** 225°

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°
- G** 60°
- H** 150°
- J** 210°

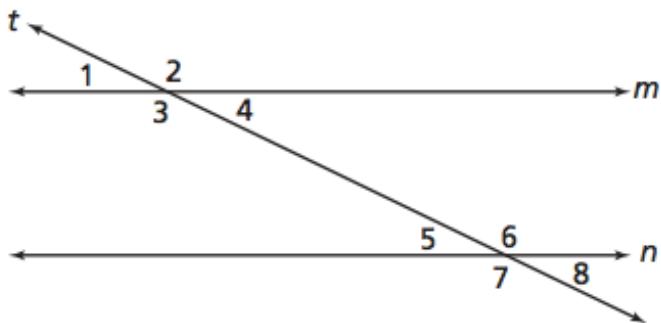
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11.

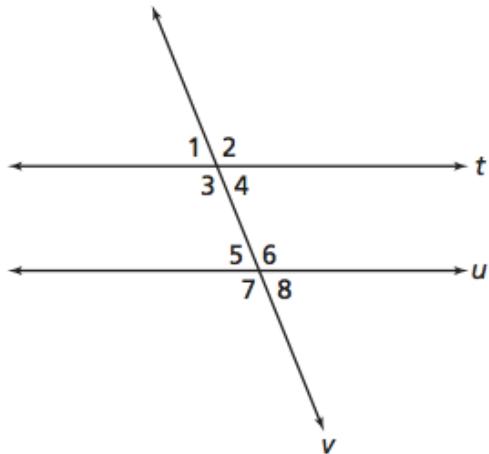
Lines m and n are parallel and cut by Transversal t , as shown in the figure below.



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° , what is the measure of $\angle 5$?

- A 68°
- B 72°
- C 112°
- D 248°