SIMILAR POLYGONS

Use the figures below to answer the questions that follow.

5 POINTS EACH

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>∠A ≡ ?</td>
</tr>
<tr>
<td>2.</td>
<td>AB : ?</td>
</tr>
<tr>
<td>3.</td>
<td>CA : ?</td>
</tr>
<tr>
<td>4.</td>
<td>∠M ≡ ?</td>
</tr>
<tr>
<td>5.</td>
<td>∠C ≡ ?</td>
</tr>
<tr>
<td>6.</td>
<td>MN : ?</td>
</tr>
</tbody>
</table>

7. Name the side included between ∠A and ∠B.

8. Name the angle included between MN and LM.

9. Name the angle included between AC and BC.

10. Name the side included between L and N.

If Quad LMNO is similar to Quad WXYZ, name the following.

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>11.</td>
<td>∠L ≡ ?</td>
</tr>
<tr>
<td>12.</td>
<td>MN : ?</td>
</tr>
<tr>
<td>13.</td>
<td>∠N ≡ ?</td>
</tr>
<tr>
<td>14.</td>
<td>ZW : ?</td>
</tr>
</tbody>
</table>

15. What angle is included between WX and XY?

16. What side is included between ∠N and ∠O?
TAKS PRACTICE
Find the correct answer for each of the following. Clearly circle/bubble in your answers as necessary. **Work must be shown in order to receive credit.**

17. Which graph represents a functional relationship?

A.  
![Graph A](image1)

B.  
![Graph B](image2)

C.  
![Graph C](image3)

D.  
![Graph D](image4)

18. Which of the following cannot be the side lengths of a triangle?

A. 2 cm, 3 cm, 7 cm  
B. 4 cm, 5 cm, 6 cm  
C. 3 cm, 3 cm, 4 cm  
D. 5 cm, 5 cm, 5 cm

19. Travonna wants to draw a triangle that has sides 6 inches and 11 inches long. Which could be the length of the third side?

A. 18 in  
B. 8 in  
C. 5 in  
D. 3 in

20. The copy machine in the math workroom can make a copy of a document every 3 seconds. How many copies can it make in 17 minutes?

A. 1024  
B. 340  
C. 240  
D. 51