

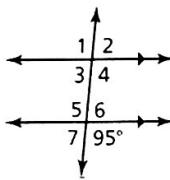
Name KEY

Date 2018

Mid-Chapter 3 Practice Quiz

Use the figure to find the measure of the angle.

1. $\angle 3$
2. $\angle 5$
3. $\angle 6$
4. $\angle 2$

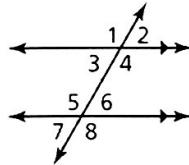


Answers

1. 85°
2. 95°
3. 85°
4. 85°

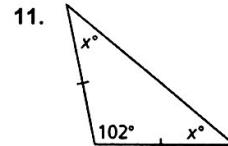
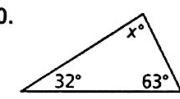
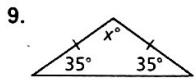
Complete the statement.

5. If the measure of $\angle 3 = 46^\circ$, then the measure of $\angle 6 = \underline{\hspace{2cm}}$.
6. If the measure of $\angle 5 = 102^\circ$, then the measure of $\angle 8 = \underline{\hspace{2cm}}$.
7. If the measure of $\angle 4 = 98^\circ$, then the measure of $\angle 7 = \underline{\hspace{2cm}}$.
8. If the measure of $\angle 6 = 59^\circ$, then the measure of $\angle 4 = \underline{\hspace{2cm}}$.



5. 46°
6. 102°
7. 82°
8. 121°

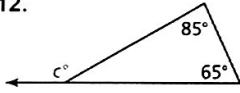
Find the measures of the interior angles.



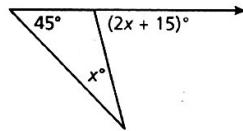
9. $x = 110^\circ$
10. $110^\circ, 35^\circ, 35^\circ$
11. $x = 85^\circ$
12. $85^\circ, 63^\circ, 32^\circ$
13. $x = 39^\circ$
14. $39^\circ, 39^\circ, 102^\circ$

Find the measure of the exterior angle.

12.



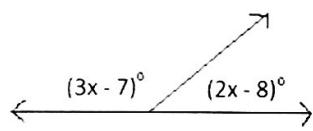
13.



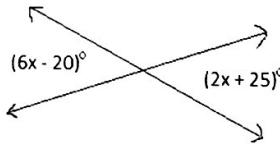
12. 150°
13. $x = 30^\circ$
14. $exterior\ angle = 75^\circ$

Find x. Then find the angle measures.

14.



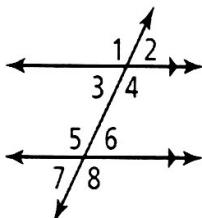
15.



14. $x = 39^\circ$
15. $x = 11.25^\circ$
16. $110^\circ, 70^\circ$
17. $47.5^\circ, 47.5^\circ$

State the relationship between the given angles

16. angle 1 & 4



16.

Vertical Angles

17. angle 4 & 5

17.

Alternate Interior Angles

18. angle 2 & 7

18.

Alternate Exterior Angles

19. angle 2 & 4

19.

Supplementary Angles

20. angle 2 & 6

20.

Corresponding Angles