

Practice

Form G

Measuring Angles

Use the diagram below for Exercises 1-11. Find the measure of each angle.

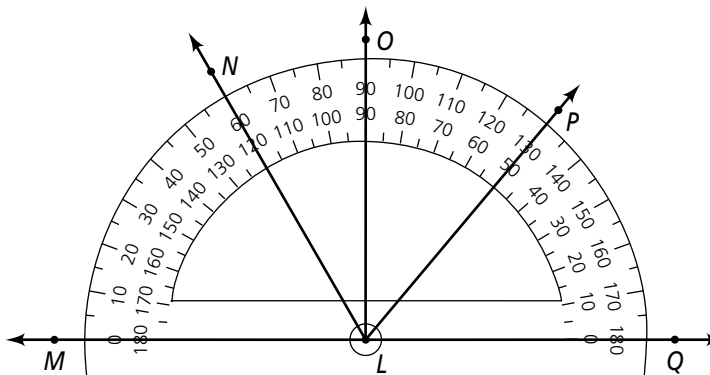
1. $\angle MLN$

2. $\angle NLP$

3. $\angle NLQ$

4. $\angle OLP$

5. $\angle MLQ$



Classify each angle as *acute*, *right*, *obtuse*, or *straight*.

6. $\angle MLN$

7. $\angle NLO$

8. $\angle MLP$

9. $\angle OLP$

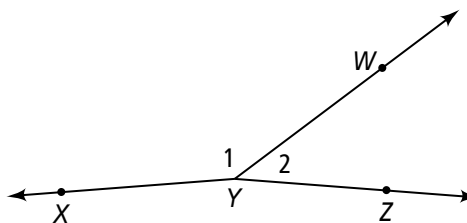
10. $\angle OLQ$

11. $\angle MLQ$

Use the figure at the right for Exercises 12 and 13.

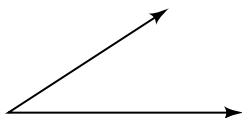
12. What is another name for $\angle XYW$?

13. What is another name for $\angle WYZ$?



Use a protractor. Measure and classify each angle.

14.



15.



16.



17.



18.



Practice (continued)

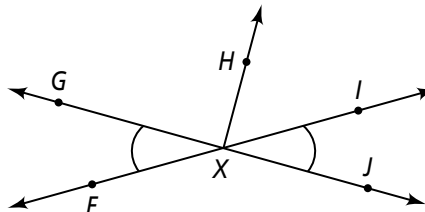
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19. $\angle JKL$ and $\angle CDE$ are congruent. If $m\angle JKL = 137$, what is $m\angle CDE$?

Use the figure at the right for Exercises 20–23.

$m\angle FXH = 130$ and $m\angle FXG = 49$.



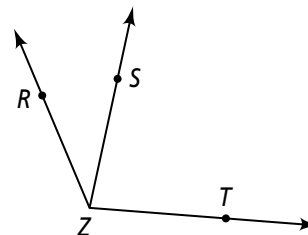
20. $\angle FXG \cong \square$

21. $m\angle GXH = \square$

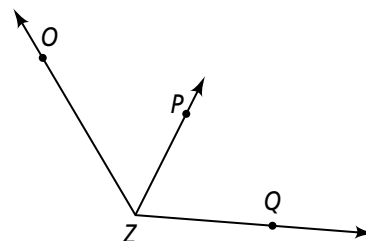
22. Name a straight angle in the figure.

23. $\angle IXJ \cong \square$

24. **Algebra** If $m\angle RZT = 110$, $m\angle RZS = 3s$, and $m\angle TZS = 8s$, what are $m\angle RZS$ and $m\angle TZS$?



25. **Algebra** $m\angle OZP = 4r + 2$, $m\angle PZQ = 5r - 12$, and $m\angle OZQ = 125$. What are $m\angle OZP$ and $m\angle PZQ$?



26. **Reasoning** Elsa draws an angle that measures 56. Tristan draws a congruent angle. Tristan says his angle is obtuse. Is he correct? Why or why not?

27. Lisa makes a cherry pie and an apple pie. She cuts the cherry pie into six equal wedges and she cuts the apple pie into eight equal wedges. How many degrees greater is the measure of a cherry pie wedge than the measure of an apple pie wedge?

28. **Reasoning** $\angle JNR$ and $\angle RNX$ are congruent. If the sum of the measures of the two angles is 180, what type of angle are they?

29. A new pizza place in town cuts their circular pizzas into 12 equal slices. What is the measure of the angle of each slice?