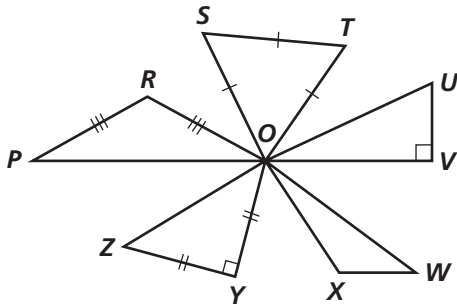


GRADE 10 **Focus on Sunshine State Standards: Benchmark Tests**
MA.912.G.4.1 Benchmark Pre-Test (Multiple Choice)

Use the figure for problems 1–7.



1. Which triangles are right triangles?
 - A. $\triangle PRO$
 - B. $\triangle UOV$
 - C. $\triangle PRO$ and $\triangle ZOY$
 - D. $\triangle ZOY$ and $\triangle UOV$

2. Which triangle is equilateral?
 - F. $\triangle PRO$
 - G. $\triangle YOZ$
 - H. $\triangle WOX$
 - I. $\triangle TOS$

3. How many obtuse triangles are there?
 - A. 0
 - B. 1
 - C. 2
 - D. 3

4. How many scalene triangles are there?
 - F. 0
 - G. 1
 - H. 2
 - I. 3

5. Which side in $\triangle ZOY$ is opposite the right angle?
 - A. \overline{YO}
 - B. \overline{YZ}
 - C. \overline{OY}
 - D. \overline{ZO}

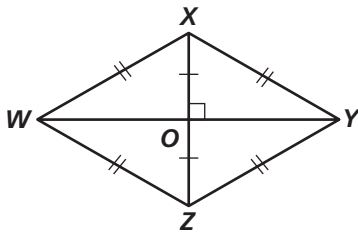
6. Which angle in $\triangle WOX$ is opposite the longest side?
 - F. $\angle O$
 - G. $\angle X$
 - H. $\angle V$
 - I. $\angle W$

7. Which term describes $\triangle VOU$?
 - A. right scalene
 - B. obtuse scalene
 - C. right isosceles
 - D. obtuse isosceles

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8. Which type of triangle CANNOT have an angle measuring 120° ?
- F. obtuse
 - G. scalene
 - H. isosceles
 - I. equilateral

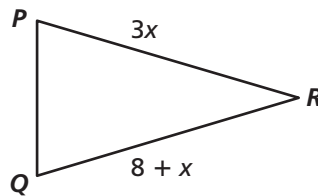
Use the figure for questions 9 and 10.



9. Which term describes $\triangle WZY$?
- A. obtuse isosceles
 - B. right isosceles
 - C. acute scalene
 - D. right scalene
10. Triangle XYZ is equilateral. Which other triangle in the figure is equilateral?
- F. $\triangle XWO$
 - G. $\triangle XWZ$
 - H. $\triangle XYO$
 - I. $\triangle XYW$

11. Which term can also be used to describe an equiangular triangle?
- A. obtuse
 - B. isosceles
 - C. scalene
 - D. right
12. Which construction step is probably used when making an isosceles triangle?
- F. Bisect an angle.
 - G. Copy a line segment.
 - H. Find the midpoint of a segment.
 - I. Create perpendicular line segments.

13. The perimeter of this isosceles triangle is 30 units. What is the length of side PQ?



- A. 4
- B. 6
- C. 12
- D. 24