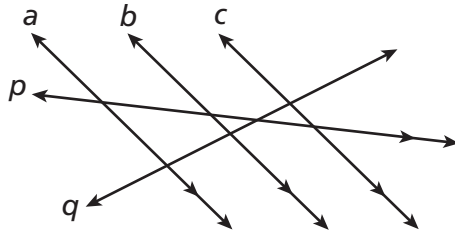
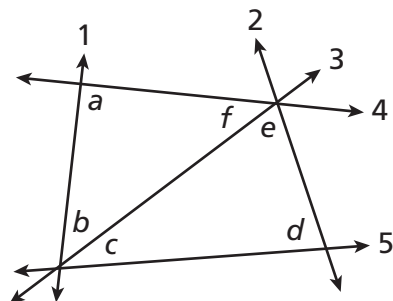


GRADE 10 Focus on Sunshine State Standards: Benchmark Tests
MA.912.G.1.3 Benchmark Pre-Test (Multiple Choice)

Use the figure for problems 1 and 2.

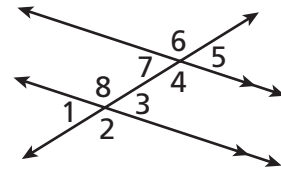


- For which pair of parallel lines is line q a transversal?
 - a and p
 - p and b
 - b and c
 - c and p
- Which of these lines is a transversal for two parallel lines?
 - line b
 - line q
 - line c
 - line a
- In this figure, which lines would be parallel if $m\angle a = 90^\circ$, $m\angle b = 42^\circ$, and $m\angle c = 48^\circ$?



- | | |
|-------------------|-------------------|
| A. 1 and 2 | C. 3 and 4 |
| B. 2 and 3 | D. 4 and 5 |

Use the figure for problems 4–6.

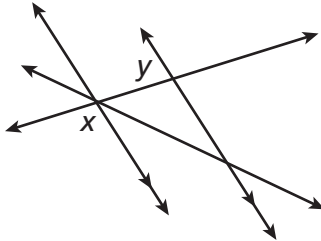


- What special name describes angles 7 and 8?
 - same-side interior
 - alternate interior
 - alternate exterior
 - corresponding
- What special name describes angles 2 and 4?
 - alternate interior
 - same-side interior
 - alternate exterior
 - corresponding
- If $m\angle 3 = 50^\circ$, what is $m\angle 7$?
 - 40°
 - 50°
 - 60°
 - 130°

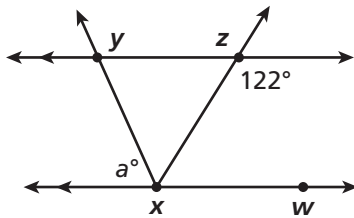
GRADE 10 **Focus on Sunshine State Standards: Benchmark Tests**
MA.912.G.1.3 Benchmark Pre-Test (Gridded Response)

Use the Gridded Response Answer Sheet.

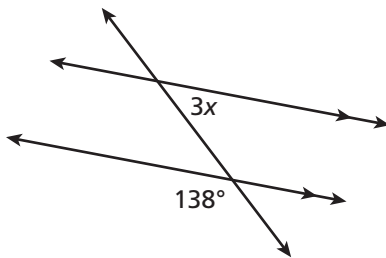
7. In the figure below, $m\angle x = 105^\circ$. What is the measure in degrees of $\angle y$?



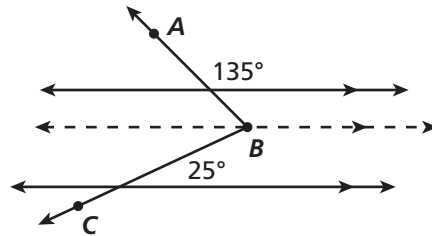
8. In the figure below, \overline{XZ} bisects $\angle YXW$. What is the value of a ?



9. What is the value of x in the figure below?



10. What is the measure in degrees of $\angle ABC$? Hint: Use the dotted auxiliary line through point B .



11. In the figure below, lines c and d are parallel. What is the value of x ? Hint: Use the dotted auxiliary lines shown.

