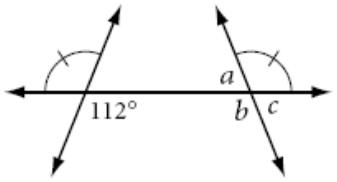
CCSS Math 7 Name: _____

Unit 7: Agles, Triangles, and Prisms Period: _____

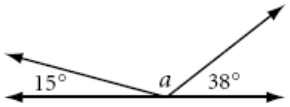
Find the measure of all the missing angles.

1.



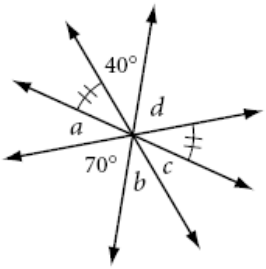
a = _____
b = _____
c = _____

2.



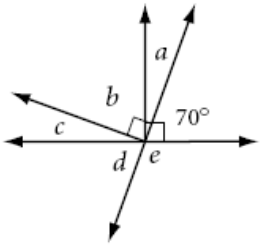
a = _____

3.



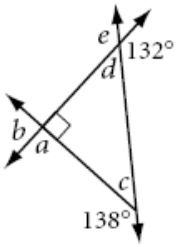
a = _____
b = _____
c = _____
d = _____

4.



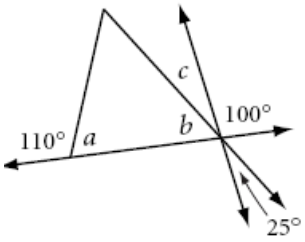
a = _____
b = _____
c = _____
d = _____
e = _____

5.



a = _____
b = _____
c = _____
d = _____
e = _____

6.



a = _____
b = _____
c = _____

Fill in each blank with a true statement.

7. If angles A and B are supplement, and angle B has a measurement of 22°, then angle A has a measurement of _____.

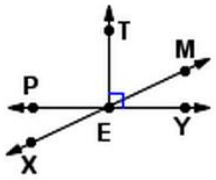
8. If $\angle P$ is a right angle and $\angle P$ and $\angle Q$ are supplementary, then $m\angle Q$ is _____.

9. If $\angle S$ and $\angle T$ are complementary and $\angle T$ and $\angle U$ are supplementary, then $\angle U$ is a(n) _____ angle.

10. If an angle is obtuse, then its supplement must be an _____ angle.

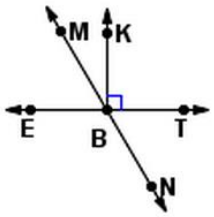
Find the missing angle measure using any method.

17.



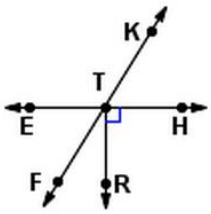
$m\angle XEY =$ _____
$m\angle MEY = 25°$

18.



$m\angle NBT =$ _____
$m\angle MBE = 60°$

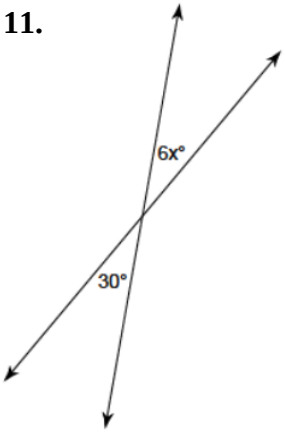
19.



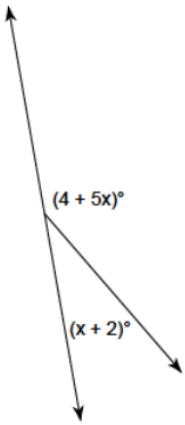
$m\angle FTR =$ _____
$m\angle FTE = 58°$

Challenges:
Write and solve an equation to find the missing angle measures.

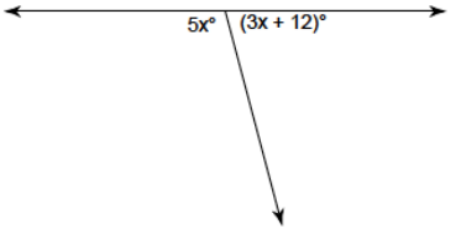
11.



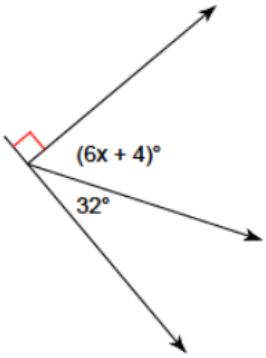
12.



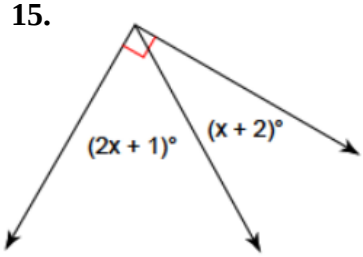
13.



14.



15.



16.