PTest Geo, Angles ^ ⊥ Lines Name _____

Date_____

Define

1. ***Acute Angle

2. ***Complementary angles

Define, draw a picture, label and write the mathematical relationship

3. ***Vertical angles

4. ***Perpendicular lines

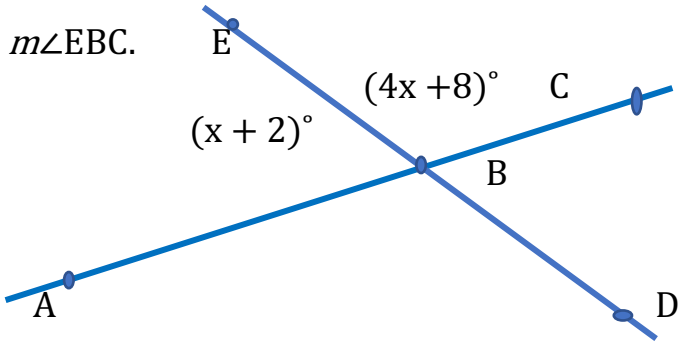
5. ***Angle bisector

6. ***Angle Addition Postulate

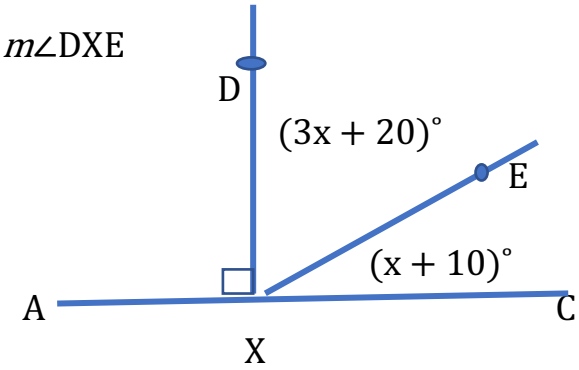
7. ***Complete the theorem: If the exteriors sides of two adjacent angles lie in a line, then_____ .

8. **If ∠A and ∠B are complementary and the $m\angle A = 3x - 2$ and $m\angle B = 2x - 8$, find $m\angle A$.

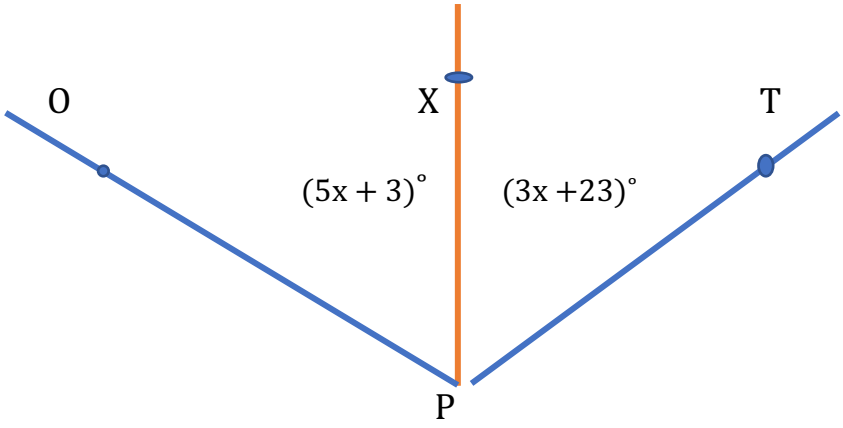
9. ** Use the diagram to find $m\angle EBC$.



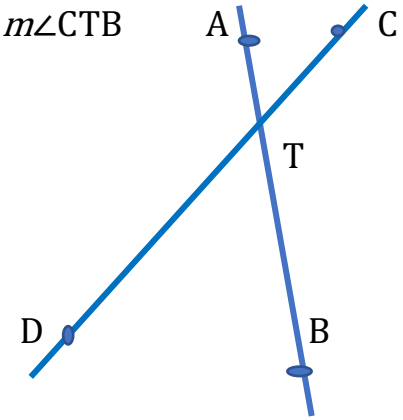
10. **Use the diagram to find the $m\angle DXE$



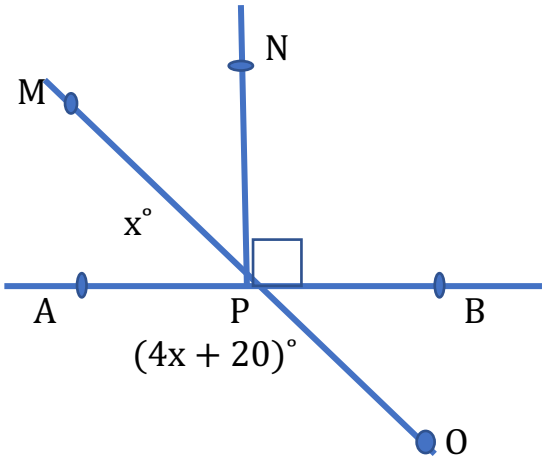
11. ** $\overline{PX}$ is the angle bisector of ∠OPT, use the diagram to find the $m\angle OPT$.



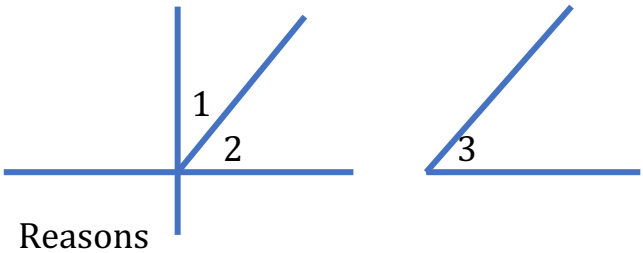
12. **Use the diagram to find the $m\angle CTB$
If $m\angle ATC = (4x - 8)^\circ$ and
$m\angle BTD = (x + 10)^\circ$



13. **Use the diagram ,
Find $\angle MPN$



14. *Given: $l \perp t$
$\angle 1$ is comp. to $\angle 3$
Prove: $m\angle 2 = m\angle 3$



Statements	Reasons

15. ***Write a home phone, cell number email or home address. (CHP)