

1-5. State which property justifies the step shown.

1. $x + 7 = 9$
 $x = 2$

2. $y - 8 = 14$
 $y = 22$

3. $14a = 42$
 $a = 3$

4. $\frac{x}{2} = -10$
 $x = -20$

5. $5(x + 7)$
 $= 5x + 35$

6-8. State which property justifies following statements.

6. If $7x = 21$, then $21 = 7x$

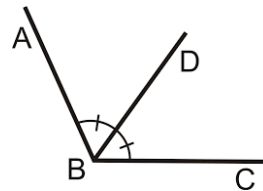
7. $32ab = 32ab$

8. If $7x = 21$, and $21 = 3y$ then $7x = 3y$

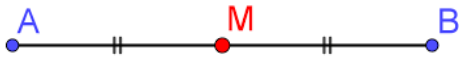
9-16. Fill in each blank with the correct vocab word. No words repeat and not all are used.

Angle Addition Postulate	Vertical Angles
Complementary Angles	Angle Bisector
Symmetric Property	Midpoint
Segment Addition Postulate	Linear Pair
Supplementary Angles	Transitive Property

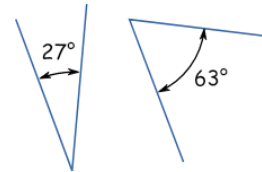
9. BD is the _____



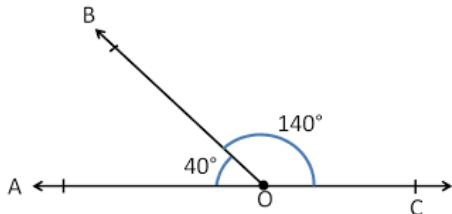
10. M is the _____ of AB



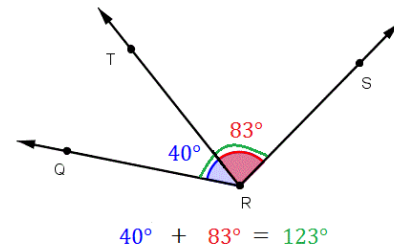
11. The angles below are _____



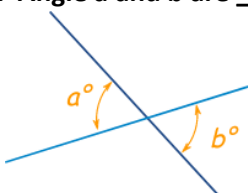
12. The diagram shows a _____



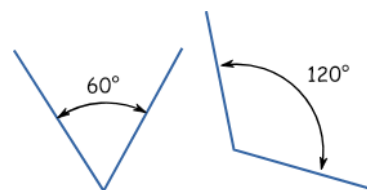
13. The _____ is represented below



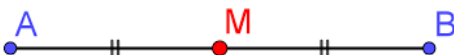
14. Angle a and b are _____



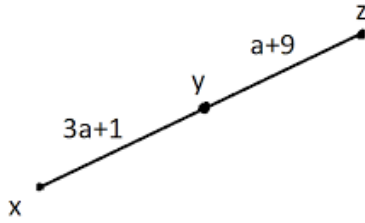
15. The angles below are _____



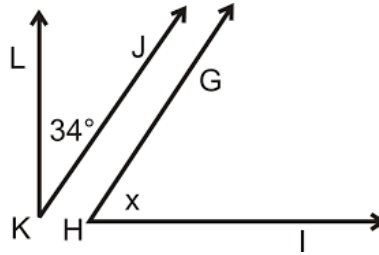
16. $AM + MB = AB$: _____



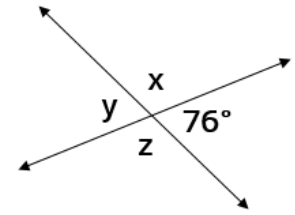
17. Y is the midpoint of XZ.
Solve for a.



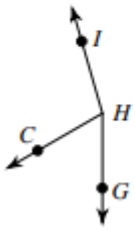
18. The angles are complementary.
Solve for x.



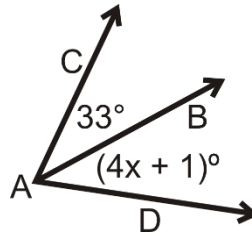
19. Find the measures of x, y and z.



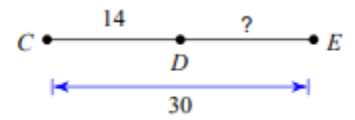
20. $m\angle GHC = 60^\circ$ and $m\angle CHI = 104^\circ$.
Find $m\angle GHI$.



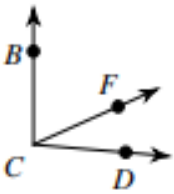
21. AB is the angle bisector.
Solve for x.



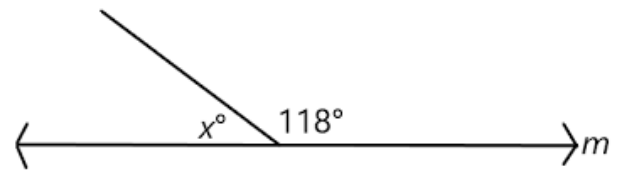
22. DE = _____



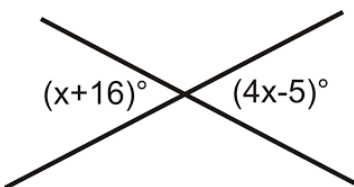
23. $m\angle FCD = x + 41$, $m\angle BCF = x + 78$,
and $m\angle BCD = 95^\circ$. Find x.



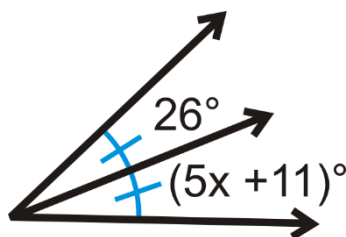
24. Find the measure of angle x.



25. Solve for x.
Find the measure of each angle.



26. Solve for x.



27. Solve for x.

