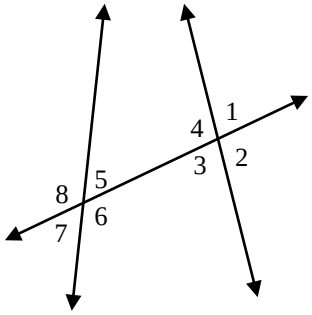
Angle Unit Quiz Review

Name _____

Block_____ Date_____

Refer to the sketch below to complete each statement at the right.



1. ∠1 and ∠ _____ are Alternate Exterior Angles.
2. ∠2 and ∠ _____ are Corresponding Angles.
3. ∠3 and ∠ _____ are Alternate Interior Angles.
4. ∠5 and ∠ _____ are Vertical Angles.
5. ∠6 and ∠ _____ are a Linear Pair.

Complete each statement.

_____ 6. **A Linear Pair of angles _____.**

a) are always congruent b) are always supplementary c) are always complementary

_____ 7. **If a transversal intersects two parallel lines, then the alternate exterior angles _____.**

a) are always congruent b) are always supplementary d) are always complementary

_____ 8. **If a transversal intersects two parallel lines then corresponding angles_____.**

a) are always congruent b) are always supplementary e) are always complementary

_____ 9. **The base angles in an isosceles triangle _____.**

a) are always congruent b) are always supplementary f) are always complementary

_____ 10. **If a transversal intersects two parallel lines, then the alternate interior angles _____.**

a) are always congruent b) are always supplementary g) are always complementary

For questions 11 through 13, refer to the diagram at the right.

_____ 11. **$\overline{JN}$ and $\overline{LS}$ _____.**

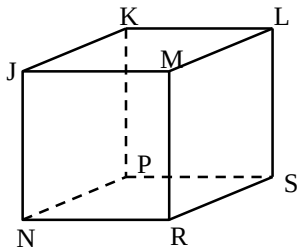
a. are parallel b. are perpendicular c. have no relationship

_____ 12. **$\overline{KL}$ and $\overline{MR}$ _____.**

a. are parallel b. are perpendicular c. have no relationship

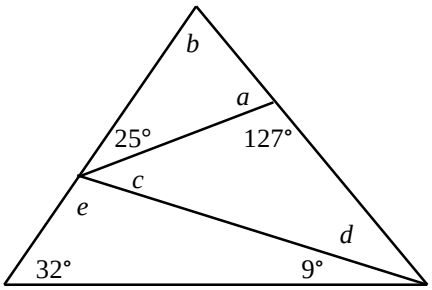
_____ 13. **$\overline{SL}$ and $\overline{PS}$ _____.**

a. are parallel b. are perpendicular c. have no relationship



Find the measure of each angle indicated in the figures.

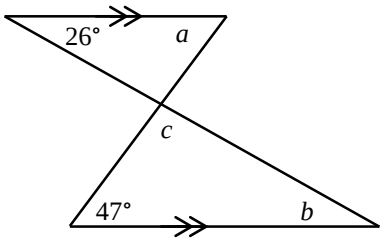
14.



a = _____ *b* = _____ *c* = _____

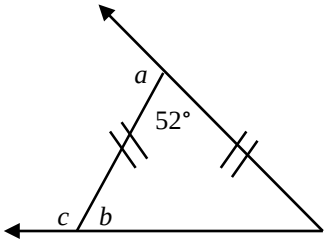
d = _____ *e* = _____

15.



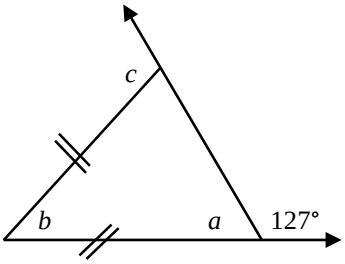
a = _____ *b* = _____ *c* = _____

16.



a = _____ *b* = _____ *c* = _____

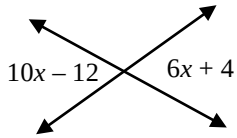
17.



a = _____ *b* = _____ *c* = _____

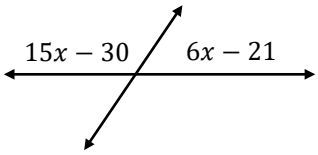
Set up the equation and determine the value of x. Be sure to show work. Attach a piece of paper if necessary.

18.



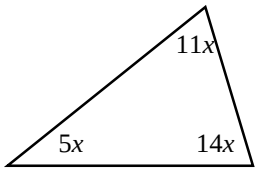
x = _____

19.



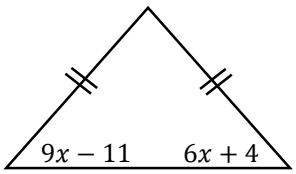
x = _____

20.



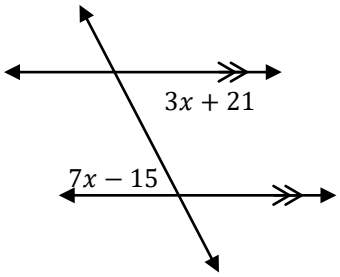
x = _____

21.



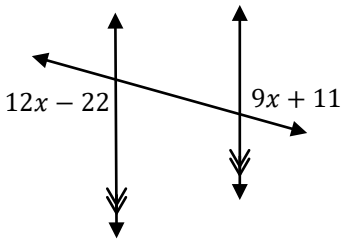
x = _____

22.



x = _____

23.



x = _____