## Geometry Review Quiz 24

Name $\qquad$

## Put all answers to the multiple choice questions below. Use Capital Letters, please.

$\qquad$ 1. If $\angle A$ and $\angle B$ are supplementary angles with $\angle A=80^{\circ}$, what is $\angle B$ ?
A. $10^{\circ}$
B. $20^{\circ}$
C. $100^{\circ}$
D. $120^{\circ}$
$\qquad$ 2. In $\triangle A B C, \mathrm{AB}=13 \mathrm{~cm}, \mathrm{BC}=12 \mathrm{~cm}$, and $\mathrm{AC}=16 \mathrm{~cm}$. What angle is smallest?
A. $\angle A$
B. $\angle B$
C. $\angle C$
D. None of the above
$\qquad$ 3. Which below is a possible measurement for an isosceles triangle?
A. $4,4,8$
B. $7,7,13$
C. $2,2,5$
D. $1,1,2$
$\qquad$ 4. $\overline{N O}$ is the base of isosceles trapezoid NRPO. If $\angle N=4 x+10$ and $\angle O=6 x+4$, what is the value of $x$ ?
A. 2
B. 3
C. 16.6
D. 18.2
$\qquad$ 5. Diagonals are always perpendicular in a
A. parallelogram
B. trapezoid
C. rhombus
D. rectangle
$\qquad$ 6. What of the following could be a fourth point in a parallelogram
if three of the points are $(0,0),(6,0)$ and $(3,4)$ ?
A. $(9,4)$
B. $(6,4)$
C. $(4,6)$
D. $(4,9)$
$\qquad$ 7. I coach both soccer and tennis, which means I coach a total of 28 players. On my soccer team, there are 22 players with 6 of the 22 also playing tennis for me. How many total tennis players do I have? (Draw a Venn diagram to help you!)
A. 6
B. 10
C. 12
D. 14
$\qquad$ 8. Which below is an example of the transitive property?
A. If $\angle A=\angle B$ and $\angle C=\angle D$, then $\angle \mathrm{A}=\angle \mathrm{D}$
B. If $\angle A=\angle B$ and $\angle C=\angle D$, then $\angle B=\angle \mathrm{D}$
C. If $\angle A=\angle B$ and $\angle B=\angle D$, then $\angle \mathrm{A}=\angle \mathrm{D}$
D. None of the above
$\qquad$ 9. Line $a$ and line $b$ are perpendicular to each other. If line a has a slope of 4, what is the slope of line $b$ ?
A. 4
B. -4
C. $\frac{1}{4}$
D. $-\frac{1}{4}$
$\qquad$ 10. If $\triangle A B C \cong \triangle E R T$ with $\mathrm{AB}=10, \mathrm{BC}=13, \angle A=39^{\circ}$, and $\angle R=88^{\circ}$, what is RT?
A. $39^{\circ}$
B. $88^{\circ}$
C. 10
D. 13

