Geometry Review Quiz 24

Name _____

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

| 1. | If $\angle A$ and $\angle B$ are su A. 10° | pplementary angles wi B. 20° | ith $\angle A = 80^\circ$, what is C. 100° | ∠ <i>B</i> ? D. 120° |
|-----|---|---|--|--|
| 2. | In $\triangle ABC$, AB = 13 c A. $\angle A$ | em, BC = 12 cm, and A B. $\angle B$ | $AC = 16 \text{ cm.}$ What ang $C. \ \angle C$ | gle is smallest? D. None of the above |
| 3. | Which below is a pos A. 4, 4, 8 | B. 7, 7, 13 | an isosceles triangle? C. 2, 2, 5 | D. 1, 1, 2 |
| 4. | \overline{NO} is the base of iso what is the value of x | sceles trapezoid NRPC | D. If $\angle N = 4x + 10$ and | $\angle O = 6x + 4,$ |
| 5. | A. 2Diagonals are alwaysA. parallelogram | B. 5perpendicular in aB. trapezoid | C. rhombus | D. 18.2 D. rectangle |
| 6. | What of the following if three of the points A_{1} (9, 4) | g could be a fourth poi are (0, 0), (6, 0) and (3 B. (6, 4) | nt in a parallelogram , 4)? C. (4, 6) | D. (4, 9) |
| 7. | I coach both soccer a team, there are 22 pla tennis players do I ha A. 6 | nd tennis, which mean ayers with 6 of the 22 a ave? (Draw a Venn dia B. 10 | s I coach a total of 28 j lso playing tennis for p gram to help you!) C. 12 | players. On my soccer me. How many total D. 14 |
| 8. | Which below is an ex A. If $\angle A = \angle B$ and $\angle B$. B. If $\angle A = \angle B$ and $\angle C$. C. If $\angle A = \angle B$ and $\angle D$. None of the above | cample of the transitive $\angle C = \angle D$, then $\angle A = \angle D$ $\angle C = \angle D$, then $\angle B = \angle D$ $\angle B = \angle D$, then $\angle A = \angle D$ e | e property? D D D | |
| 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 | B4 | C. $\frac{1}{4}$ | D. $-\frac{1}{4}$ |
| 10. | If $\triangle ABC \cong \triangle ERT$ with A. 39° | th AB = 10, BC = 13, B. 88° | $\angle A = 39^{\circ}$, and $\angle R = 88^{\circ}$ C. 10 | 3°, what is RT? D. 13 |