Honors Geometry Review Quiz 14

| vame | | | | |
|-------------|---|--|--|--|
| Put all ans | wers in the blank to | the left of the questi | on. | |
| 1. | In $\triangle ABC$, A = (2, 4), B = (3, 7) and C = (3, 6). What angle is largest? | | | |
| | A. ∠ <i>A</i> | B. ∠ <i>B</i> | C. ∠ <i>C</i> | D. None of these |
| 2. | _ | - |). If the midpoint of the the other end of the lin C. (9, 0) | e line segment is (6, 1), e segment? D. (9, 3) |
| 3. | In $\triangle GBR$, $GR = 1$ | 11, BR = 8, and BG = s true about the angle test | 7. | eatest |
| | b. ZN is the least | | D. ZO is the lea | St |
| 4. | In $\triangle ABC \angle A = 2$ | x , $\angle B = x + 60$, and \angle | $\angle C = 2x + 20$. Which s | side is the longest? |
| | A. \overline{AB} | B. \overline{BC} | C. \overline{AC} | D. ∠ <i>A</i> |
| 5. | If the conditional statement "If you have a laptop, then you have a computer" is represented by $p \rightarrow q$, what is the symbolic representation of "If you have a computer, then you do not have a laptop"? | | | |
| | A. $q \rightarrow \sim p$ | | C. $p \rightarrow \sim q$ | D. $\sim q \rightarrow \sim p$ |
| 6. | If $\triangle ABC$ is an isosceles triangle with AB = BC, which statement must be true? | | | |
| 0. | | B. $\angle A = \angle B$ | | D. AC = BC |
| 7. | I have a total of 16 kids. If 11 of my kids play soccer and 9 play tennis, how many play both tennis and soccer? | | | |
| | A. 2 | B. 4 | C. 8 | D. 10 |
| 8. | Which could be th | ne side lengths of a rig | oht triangle? | |
| 0. | A. 12, 15, 25 | B. 11, 60, 61 | C. 1, 2, 3 | D. 27, 31, 37 |
| 9. | If C is between X and Y with $CX = 8n - 4$ and $CY = 2n + 10$, what is XY? | | | |
| | A. $6n - 6$ | B. 6n – 14 | C. $10n + 6$ | D. $10n - 6$ |
| 10. | If two sides of a triangle are 6 cm and 8 cm, what must be true about the third side? | | | |
| | A. $2 \le m < 14$ | B. $2 < m < 14$ | C. $2 > m > 14$ | D. $2 \le m \le 14$ |