Geometry Review Quiz 1-4 E

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

_____1. Which of the following cannot be used to prove congruency?
  A. SSA   B. SSS   C. AAS   D. SAS

_____2. What is the measurement of angle #4 in Figure 1 on the back?
  A. 10   B. 20   C. 30   D. 40

_____3. What is the measurement of x in Figure 2 on the back?
  A. 3   B. 15   C. 17   D. 19

_____4. In $\triangle ABC$, A = (2, 4), B = (3, 7) and C = (6, 3). What angle is largest?
  A. $\angle A$ B. $\angle B$ C. $\angle C$ D. None of these

_____5. A is at (10, 3) and B is at (6, 0). If B is the midpoint of $\overline{AC}$, what are the coordinates of C?
  A. (5, 3)   B. (2, -3)   C. (8, 6)   D. None of the above

_____6. If X is the midpoint of $\overline{CN}$ and CN = 8n – 2, what is CX?
  A. 4n – 1   B. 16n – 4   C. 4n + 1   D. None of the above

_____7. What is the equation in slope intercept form that goes through (3, 4) and (2, 6).
  A. y = 2x + 4   B. y = -2x – 10   C. y = -2x + 10   D. None of the above

_____8. If $\angle A$ and $\angle B$ are a linear pair with $\angle A = n + 40$
  and $\angle B = 9n + 20$, what is the measurement of $\angle A$?
  A. 12   B. 22   C. 42   D. 52

_____9. If C is between X and Y with XY = 4n – 10 and CY = 2n – 9, what is CX?
  A. 6n – 1   B. 2n – 1   C. 2n – 19   D. None of the above

_____10. If $\triangle RST \cong \triangle HIJ$, $\angle R = 97°$, $\angle J = 37°$, and $\angle S = 4x + 14$, what is the value of x?
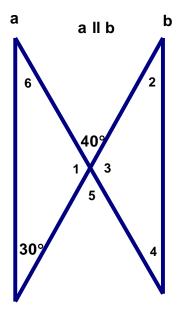 A. 10   B. 32   C. 46   D. 8

Figure 1

a   **a ll b**   b

6

2

40°

1 3

5

30°

4

Figure 2

a

6x - 20

a ll b

4x + 10

b