NAME:_____

1. Write the translation of point $P(9, 6)$ to point $P'(5, 1)$.

   [A] $(x, y) \rightarrow (x+4, y+5)$

   [B] $(x, y) \rightarrow (x-4, y-5)$

   [C] $(x, y) \rightarrow (x-5, y-4)$

   [D] $(x, y) \rightarrow (x+5, y+4)$

   [1] _____

2. Write the translation of point $P(2, -4)$ to point $P'(-2, 1)$.

   [A] $(x, y) \rightarrow (x-5, y+4)$

   [B] $(x, y) \rightarrow (x+5, y-4)$

   [C] $(x, y) \rightarrow (x-4, y+5)$

   [D] $(x, y) \rightarrow (x+4, y-5)$

   [2] _____

3. Write the translation of point $P(7, -5)$ to point $P'(9, -2)$.

   [A] $(x, y) \rightarrow (x+2, y+3)$

   [B] $(x, y) \rightarrow (x-2, y-3)$

   [C] $(x, y) \rightarrow (x-3, y-2)$

   [D] $(x, y) \rightarrow (x+3, y+2)$

   [3] _____

4. Describe the translation of point $P(6, 3)$ to point $P'(10, 9)$.

   [A] $(x, y) \rightarrow (x+4, y+6)$

   [B] $(x, y) \rightarrow (x-4, y-6)$

   [C] $(x, y) \rightarrow (x+4, y-6)$

   [D] $(x, y) \rightarrow (x-4, y+6)$

   [4] _____

5. Describe the translation of point $P(2, 7)$ to point $P'(7, 9)$.

   [A] $(x, y) \rightarrow (x-5, y+2)$

   [B] $(x, y) \rightarrow (x+5, y+2)$

   [C] $(x, y) \rightarrow (x-5, y-2)$

   [D] $(x, y) \rightarrow (x+5, y-2)$

   [5] _____

6. What is the translation image of $(-3, 3)$ under the translation $(x, y) \rightarrow (x+2, y+3)$?

   [6] _____

7. What is the translation image of $(2, -6)$ under the translation $(x, y) \rightarrow (x-2, y-3)$?

   [7] _____

8. Describe the translation of point $P(-2, -9)$ to point $P'(-6, -3)$.

   [8] _____

9. Describe the translation of point $P(-9, -4)$ to point $P'(-5, -6)$.

   [9] _____

10. Describe the translation of point $P(5, -3)$ to point $P'(0, -9)$.

   [10] _____

[1] B

[2] C

[3] A

[4] A

[5] B

[6] $(-1, 6)$

[7] $(0, -9)$

[8] $(x, y) \rightarrow (x-4, y+6)$

[9] $(x, y) \rightarrow (x+4, y-2)$

[10] $(x, y) \rightarrow (x-5, y-6)$