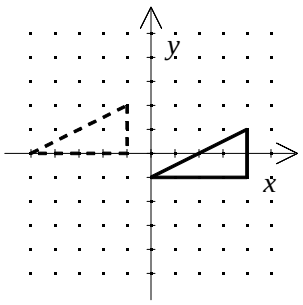
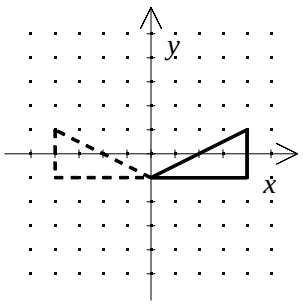
NAME:_____

1. Which graph represents a translation?

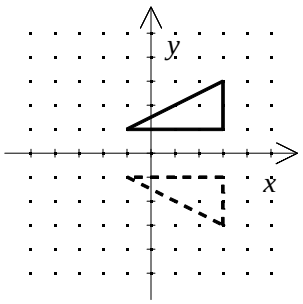
[A]



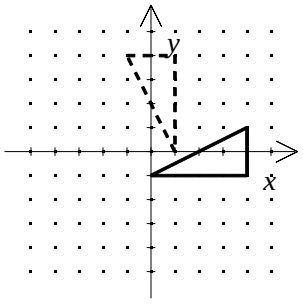
[B]



[C]



[D]



2. 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] $(x, y) \rightarrow (x+5, y+4)$

3. 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] $(x, y) \rightarrow (x+4, y-5)$

4. 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] $(x, y) \rightarrow (x+3, y+2)$

5. Write the translation of point $P(3, -4)$ to point $P'(7, 1)$.

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

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

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

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

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6. Write the translation of point $P(-4, 3)$ to point $P'(-6, 0)$.

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

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

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

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

7. 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] $(x, y) \rightarrow (x-4, y+6)$

8. Describe the translation of point $P(-4, 4)$ to point $P'(1, 10)$.

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

   [B] $(x, y) \rightarrow (x+5, y+6)$

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

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

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

   [A] $(x, y) \rightarrow (x-5, y+3)$

   [B] $(x, y) \rightarrow (x+5, y+3)$

   [C] $(x, y) \rightarrow (x+5, y-3)$

   [D] $(x, y) \rightarrow (x-5, y-3)$

10. Describe the translation of point $P(5, 2)$ to point $P'(1, 8)$.

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

11. 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] $(x, y) \rightarrow (x+5, y-2)$

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

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

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

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

16. Describe the translation of point $P(2, -7)$ to point $P'(-1, -1)$.

[1] A

[2] B

[3] C

[4] A

[5] A

[6] D

[7] A

[8] B

[9] B

[10] A

[11] B

[12] $(0, -9)$

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

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

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

[16] $(x, y) \rightarrow (x-3, y+6)$