

Unit 2.2B Worksheet Answers

1.
 - a. Pre-image: $1(-5,3), 2(-5,7), 3(-3,5), 4(-1,7), 5(-1,3) \rightarrow$
Image: $1'(5,-3), 2'(5,-7), 3'(3,-5), 4'(1,-7), 5'(1,-3)$
 - b. Pre-image: $1(2,2), 2(2,4), 3(2,6), 4(4,6), 5(4,2) \rightarrow$
Image: $1'(-2,2), 2'(-4,2), 3'(-6,2), 4'(-6,4), 5'(-2,4)$
 - c. Pre-image: $1(-5,1), 2(-2,-2), 3(1,1), 4(1,-5), 5(-5,-5) \rightarrow$
Image: $1'(1,5), 2'(-2,2), 3'(1,-1), 4'(-5,-1), 5'(-5,5)$
2.
 - a. $A'(7,-9), B'(-9,9), C'(-6,7)$
 - b. $A'(3,-5), B'(-5,5), C'(0,-7)$
3.
 - a. $A'(8,-10), B'(-7,-4), C'(6,-1)$
 - b. $A'(6,4), B'(-8,-3), C'(4,-5)$
4.
 - a. $A'(12,9), B'(10,4), C'(5,4)$
 - b. $A'(10,-9), B'(5,-7), C'(5,-2)$
 - c. $A'(-6,11), B'(-1,9), C'(-1,4)$
5. Answers may vary
6. Answers may vary
7. B
8. B
9. C
10. x-coordinate = 1, y-coordinate = 2, sum = 3