

Unit 2.2C Worksheet Answers

1. C
2. D
3. D
4. x-coordinate = -9, y = coordinate = 0, Sum = -9
5. $A'(-2, -3)$ $B'(-4, 9)$
6. $M'(4, 2)$ $N'(8, 5)$ $O'(4, 0)$
7.
 - a. Pre-image: 1(-9,1), 2(-9,4), 3(-6,8), 4(-4,5), 5(-4,3)
Image: 1'(7,1), 2'(7,4), 3'(4,8), 4'(2,5), 5'(2,3)
 - b. All y's stay the same
8.
 - a. Pre-image: 1(1,-3), 2(6,1), 3(5,3), 4(0,1), 5(2,-1)
Image: 1'(-3,1), 2'(1,6), 3'(3,5), 4'(1,0), 5'(-1,2)
 - b. x and y switch
9. $A(2,3)$, $B(6,1)$, $C(7,5)$ → $A'(2,-3)$, $B'(6,-1)$, $C'(7,-5)$
10. $A(0,4)$, $B(0,2)$, $C(3,1)$, $D(3,5)$ → $A'(0,4)$, $B'(0,2)$, $C'(-3,1)$, $D'(-3,5)$
11. $A(-3,5)$, $B(0,4)$, $C(-2,1)$, $D(-5,2)$ → $A'(-3,-1)$, $B'(0,0)$, $C'(-2,3)$, $D'(-5,2)$
12. y-axis or $x = 0$
13. $x = 3$
14. $y = -2$
15. $A'(-2,-1)$, $B'(-3,-4)$ → Sum $A' = -3$, Sum $B' = -7$
16. $A'(-3,-5)$, $B'(0,-8)$, $C'(6,-6)$ → Sum $A' = -8$, Sum $B' = -8$, Sum $C' = 0$