

Unit 1 Review Answers

1. A
2. C
3. D
4. C
5. $A'(-6, -2)$, $B'(-6, -4)$, $C'(-4, -2)$, $D'(-4, -6)$
6. $F'(10, -8)$
7. $(7, -1)$
8. Parallel lines are lines that do not meet, same slope
9. Perpendicular lines are lines that intersect at a right angle, slopes opposite reciprocals
10. a. 12 b. 30, 60, 90, 120, 150, 180, 210, 240, 270, 300, 330, 360
11. $V'(4, 4)$, $W'(4, 2)$, $X'(0, 1)$; $(x, y) \dashrightarrow (-x, -y)$
12. $A'(2, -4)$, $B'(4, -5)$, $C'(5, -2)$, $D'(5, 0)$; $(x, y) \dashrightarrow (y, x)$
13. $K'(1, -2)$, $L'(2, 3)$, $M'(5, 1)$; $(x, y) \dashrightarrow (x + 6, y + 1)$
14. $J'(4, 1)$, $K'(3, 3)$, $L'(2, 3)$, $M'(2, 0)$; $(x, y) \dashrightarrow (-x, y)$
15. $F'(-5, 2)$, $G'(-4, 0)$, $H'(-3, 2)$; $(x, y) \dashrightarrow (x, -2 - y)$ * rule not on test
16. $J'(2, 0)$, $K'(5, 0)$, $L'(5, 3)$, $M'(0, 2)$; $(x, y) \dashrightarrow (y, -x)$
17. Reflection over the line $x=3$
18. Rotated 90 degrees counterclockwise about the origin
19. Translated 1 right and 5 down or translated $(x + 1, y - 5)$
20. Reflected over the line $y = -x$