ALGEBRA 2 · HOMEWORK

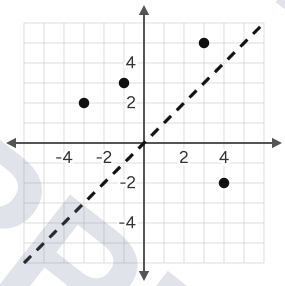
Represent the Inverse of a Relation

SCORE / 25

01 Part A · Practice

The inverse of a relation swaps the coordinates of every pair: $(x, y) \to (y, x)$; its graph is the reflection over the line $y = x$.

1 ●○○ Graph the inverse of the relation shown (points). The dashed line is $y = x$.



2 ●○○ Make a table for the inverse of the relation shown.

x	−5	0	5	8
y	−1	−6	10	−5

3 ●○○ Find the inverse of the relation $\{(-6, -2), (8, -5), (4, 4), (-1, 6)\}$.

4 ●○○ Is the inverse of $\{(-5, 2), (1, 2), (-3, 3), (3, -3)\}$ a function? Explain.

5 ●○○ For $R = \{(1, -5), (3, 1), (2, -4), (6, 1)\}$, give the domain and range of the inverse.

6 ●○○ Find the inverse of the relation $\{(7, -2), (4, 6), (-1, -4), (-3, 1)\}$.

PREVIEW

Preview - the full worksheet and its answer key are at primeworksheet.com