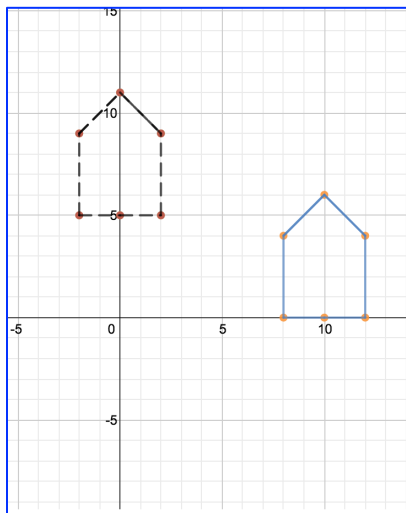


Name _____

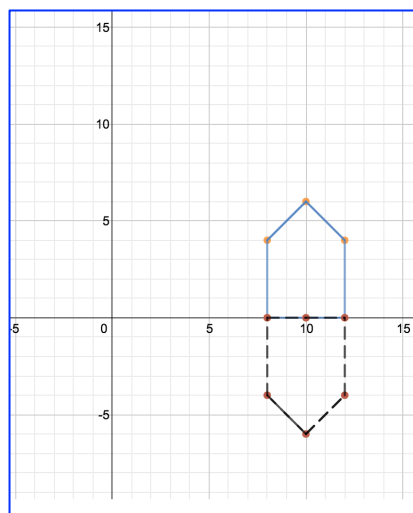
Bend the Rules ... of Transformations

Discovery

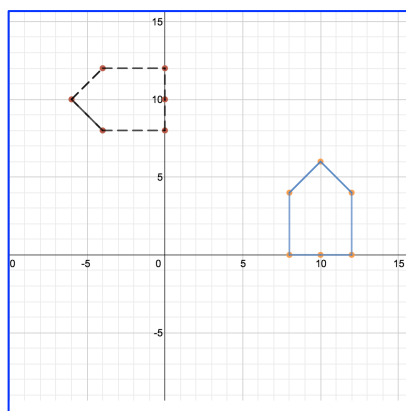
<http://mathmistakes.org/complex/rules.html>



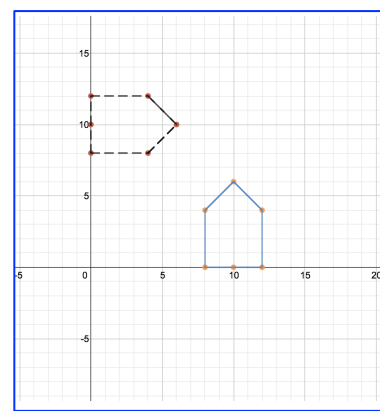
$$(x,y) \mapsto (\boxed{}, \boxed{})$$



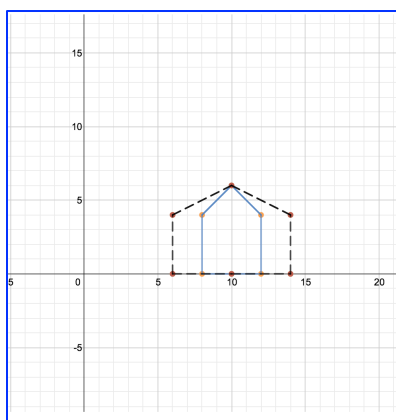
$$(x,y) \mapsto (\boxed{}, \boxed{})$$



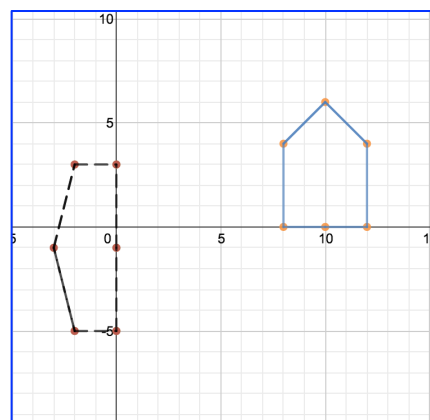
$$(x,y) \mapsto (\boxed{}, \boxed{})$$



$$(x,y) \mapsto (\boxed{}, \boxed{})$$



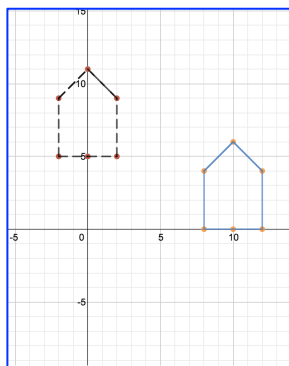
$$(x,y) \mapsto (\boxed{}, \boxed{})$$



$$(x,y) \mapsto (\boxed{}, \boxed{})$$

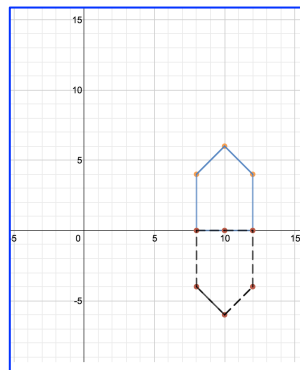
Bend the Rules ... of Transformations

Generalizations



Type: _____

General Rule: $(x, y) \rightarrow (\quad , \quad)$

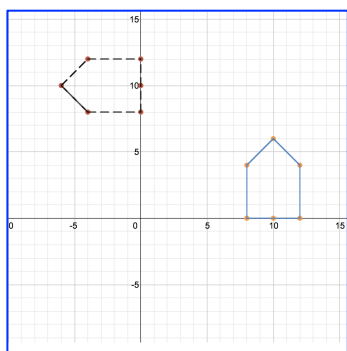


Type: _____

General Rule for a:

_____ over the x-axis:
 $(x, y) \rightarrow (\quad , \quad)$

_____ over the y-axis:
 $(x, y) \rightarrow (\quad , \quad)$

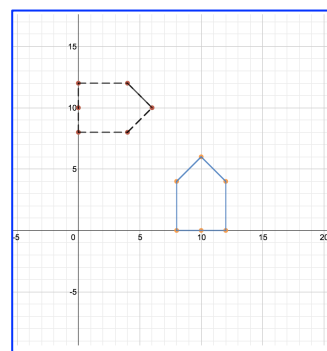


Type: _____

General Rule for a:

90° _____ clockwise:
 $(x, y) \rightarrow (\quad , \quad)$

90° _____ counterclockwise:
 $(x, y) \rightarrow (\quad , \quad)$



Type: _____

General Rule for a:

_____ over the line $y = x$:
 $(x, y) \rightarrow (\quad , \quad)$

_____ over the line $y = -x$:
 $(x, y) \rightarrow (\quad , \quad)$