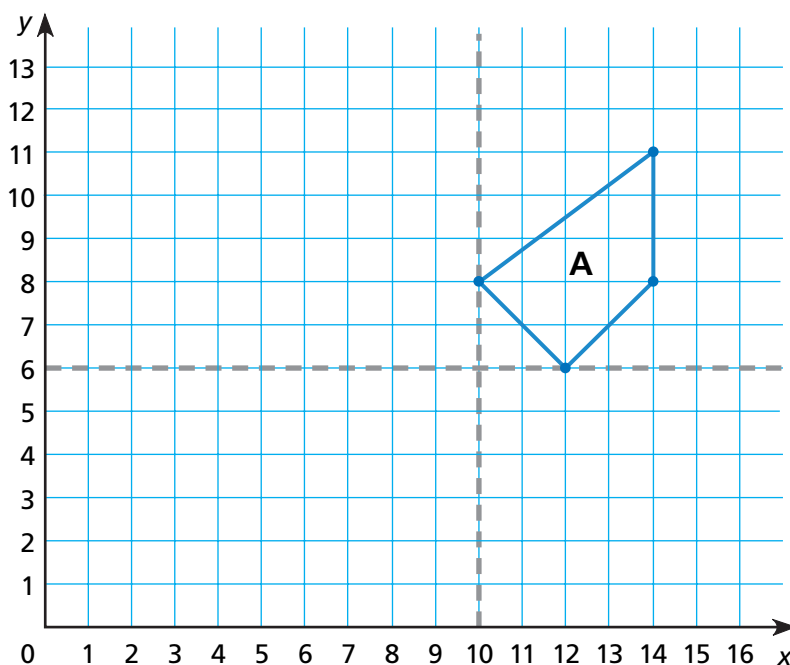


# More About Transformations

NCTM Standards 3, 7, 8, 10



List the vertices of Figure A. Draw and label Figures B and C, and fill in the tables of corresponding vertices.

1 Figure A:

A	(10,8)			
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2 Figure B:  
Reflect Figure A across the horizontal dotted line.

B				
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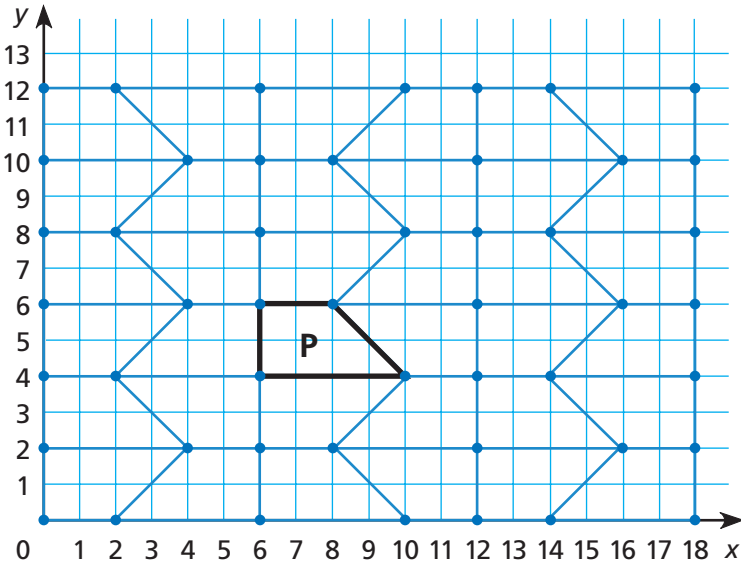
3 Figure C:  
Reflect Figure B across the vertical dotted line.

C				
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4 Describe a single transformation to turn Figure A into Figure C.

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**This is a tessellation of a quadrilateral. All of the figures in it are congruent to Figure P.**



- 5** List the coordinates of each vertex of Figure P in the table.
- 6** Find as many examples of a translation of Figure P as you can, and label each of them S (for slide). Choose one of them and record the coordinates of its vertices in the table.
- 7** Find as many examples of a reflection of Figure P as you can, and label each of them R. Choose one and fill in the table.
- 8** Find as many examples of a rotation for Figure P as you can, and label each of them T (for turn). Choose one and fill in the table.

P				
S				
R				
T				



- 9 Challenge** Find one of the quadrilaterals that you have not marked, and label it Q. Describe a transformation—or a combination of at most two transformations—that transform Figure P to Figure Q. Describe what you did.

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