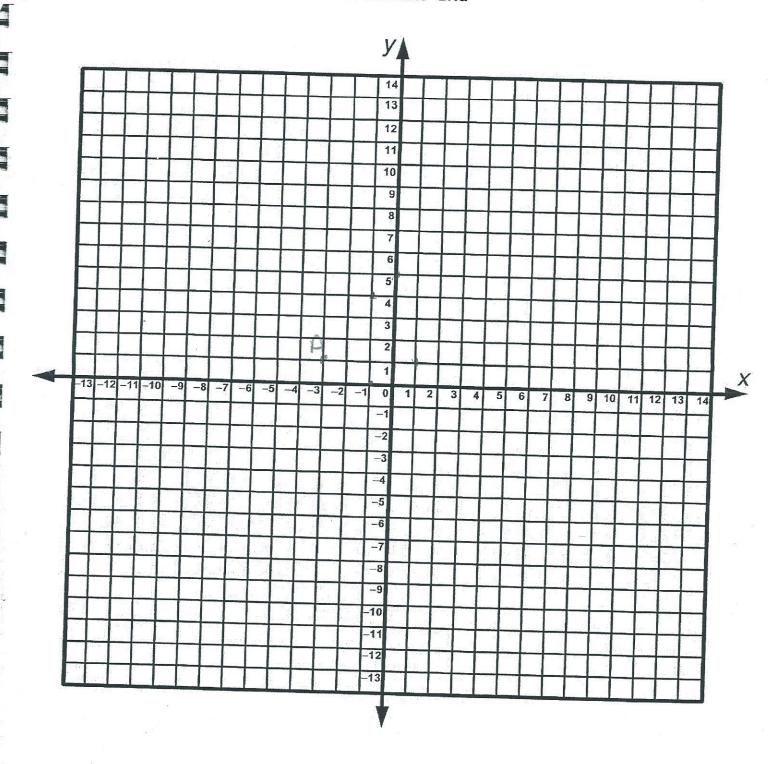
Shifting Shapes Coordinate Grid



Shifting Shapes Score Sheet

Card	Coordinates	Points
D		
H		
R		
Τ.		
Y		
E		
G		
N		e.
5		
X		





R

Place this figure on the grid with the vertices at these points:

A = (2, -8) B = (5, -2) C = (8, -8).

A dilation of this figure has the coordinates A' = (0, -8) C' = (10, -8).

What are the coordinates for B?





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Place this figure on the grid with the vertices at these points:

A = (-7, 5) B = (-13, 8) C = (-7, 11).

A dilation of this figure has the coordinates A = (-6, 4) C = (-6, 12).

What are the coordinates for B?





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Place this figure on the grid with the vertices at these points:

A = (5, 2) B = (2, -4) C = (-1, 2).

A dilation of this figure has the coordinates A' = (9, 4) C' = (-5, 4).

What are the coordinates for B?





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Place this figure on the grid with the vertices at these points:

A = (2, -8) B = (5, -2) C = (8, -8).

A translation of this figure has the coordinates A = (8, -1) C = (14, -1).

What are the coordinates for B?





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Place this figure on the grid with the vertices at these points:

A = (-3, 6) B = (0, 12) C = (3, 6).

A **reflection** of this figure across the line y = 5has the coordinates A' = (-3, 4) C' = (3, 4).

What are the coordinates for B'?





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Place this figure on the grid with the vertices at these points:

A = (-11, 10) B = (-5, 10) C = (-11, 6).

A dilation of this figure has the coordinates A' = (-10, 9) B' = (-7, 9).

What are the coordinates for C?





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G





Place this figure on the grid with the vertices at these points:

$$A = (3, 4) B = (3, 10) C = (7, 4).$$

A reflection of this figure across the y-axis has A translation of this figure has the coordinates the coordinates

$$A' = (-3, 4) C' = (-7, 4).$$

What are the coordinates for B'?





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Place this figure on the grid with the vertices at these points:

$$A = (-4, 2) B = (-4, 8) C = (0, 2).$$

A' = (5, 3) C' = (9, 3).

What are the coordinates for B?





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Place this figure on the grid with the vertices at these points:

$$A = (11, 0) B = (5, 0) C = (11, 4).$$

A dilation of this figure has the coordinates A = (11, 0) B = (-7, 0).

What are the coordinates for C?





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Place this figure on the grid with the vertices at these points:

$$A = (5, -12) B = (5, -8)$$

 $C = (7, -8) D = (11, -12).$

A dilation of this figure has the coordinates A' = (5, -10) D' = (8, -10).

What are the coordinates for B and C?





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Place this figure on the grid with the vertices

at these points:

$$A = (-3, 2) B = (-7, 2)$$

 $C = (-7, 4) D = (-3, 8)$.

A reflection of this figure across the x-axis has the coordinates A = (-3, -2) B = (-7, -2).

What are the coordinates for C and D?





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Place this figure on the grid with the vertices at these points:

A =
$$(1, -5)$$
 B = $(1, -9)$
C = $(-1, -9)$ D = $(-5, -5)$.

A dilation of this figure across the x-axis has the coordinates A' = (5, -1) B' = (5, -13).

What are the coordinates for C' and D'?





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N



Place this figure on the grid with the vertices at these points:

A **reflection** of this figure across the line y = 7has the coordinates B' = (-5, 1) C' = (-5, 3).

What are the coordinates for A' and D'?





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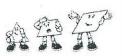
Place this figure on the grid with the vertices at these points:

$$A = (-8, -7)$$
 $\dot{B} = (-8, -3)$
 $C = (-6, -3)$ $D = (-2, -7)$.

A translation of this figure has the coordinates A' = (3, 1) B' = (3, 5).

What are the coordinates for C and D?





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Place this figure on the grid with the vertices at these points:

$$A = (3, -12) B = (5, -9)$$

 $C = (9, -9) D = (11, -12).$

A dilation of this figure has the coordinates B' = (4, -9) C' = (10, -9)

What are the coordinates for A and D?





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Place this figure on the grid with the vertices at these points:

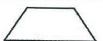
A dilation of this figure has the coordinates B' = (10, 6) C' = (10, -6).

What are the coordinates for A and D?





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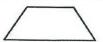


Place this figure on the grid with the vertices

at these points:

A = (12, 13) B = (10, 10)

R



Place this figure on the grid with the vertices at these points:

A reflection of this figure across the y-axis has the coordinates B' = (6, 4) C' = (6, 8).

What are the coordinates for A' and D'?





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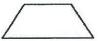
C = (6, 10) D = (4, 13).A translation of this figure has the coordinates A' = (7, 2) D' = (-1, 2).

What are the coordinates for B and C?





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Place this figure on the grid with the vertices at these points:

$$A = (-8, -9) \dot{B} = (-6, -6)$$

 $C = (-2, -6) D = (0, -9).$

A translation of this figure has the coordinates $A' = (2, -7)^{T}D' = (10, -7).$

What are the coordinates for B and C?





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Place this figure on the grid with the vertices at these points:

$$A = (-2, -2) B = (0, 2)$$

 $C = (6, 2) D = (4, -2).$

A dilation of this figure has the coordinates B' = (0, 0) C' = (3, 0).

What are the coordinates for A' and D'?





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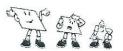
Place this figure on the grid with the vertices at these points:

$$A = (-8, 12) \dot{B} = (-4, 10)$$

 $C = (-4, 4) D = (-8, 6).$

The dilation of this figure has the coordinates A' = (-8, 12) D' = (-8, 3).

What are the coordinates for B' and C'?





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Place this figure on the grid with the vertices at these points:

$$A = (7, -3)$$
 $B = (11, -5)$
 $C = (11, -11)$ $D = (7, -9)$.

The dilation of this figure has the coordinates B' = (13, 5) C' = (13, -13).

What are the coordinates for A' and D'?





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Place this figure on the grid with the vertices at these points:

$$A = (-9, 3) B = (-7, 7)$$

 $C = (-1, 7) D = (-3, 3)$.

A reflection of this figure across the y-axis has the coordinates A' = (9, 3) D' = (3, 3).

What are the coordinates for B and C?





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Place this figure on the grid with the vertices at these points:

$$A = (1, -5) \dot{B} = (3, -1)$$

 $C = (9, -1) D = (7, -5).$

A translation of this figure has the coordinates A' = (2, -7) D' = (8, -7).

What are the coordinates for B' and C'?





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