## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(-1,-1)$
B. $(-7,0)$
C. $(-10,-10)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(1,-5)$
B. $(9,-4)$
C. $(8,-8)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(-1,-3)$
B. $(-6,-4)$
C. $(-10,-10)$
D. $(0,-8)$

Reflect the shape over the X axis.
4)


The shape above has the following coordinates:
A. $(1,0)$
B. $(9,5)$
C. $(10,6)$
D. $(0,7)$

Reflect the shape over the X axis.

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(-1,-1)$
B. $(-7,0)$
C. $(-10,-10)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(1,-5)$
B. $(9,-4)$
C. $(8,-8)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(-1,-3)$
B. $(-6,-4)$
C. $(-10,-10)$
D. $(0,-8)$

Reflect the shape over the X axis.
4)


The shape above has the following coordinates:
A. $(1,0)$
B. $(9,5)$
C. $(10,6)$
D. $(0,7)$

Reflect the shape over the X axis.

1. $-1,1 \xrightarrow{-7,0} \xrightarrow{-10,10} \frac{\mathrm{Gramh}}{}$

2. $\underline{1,5} \underline{9,4} \underline{8,8} \xrightarrow{\text { Graph }}$
3. $\frac{1,0}{9 .-5} \frac{10.6}{\frac{0.75}{0}} \xlongequal{\frac{\mathrm{cman}}{}}$

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(-5,-3)$
B. $(-9,-1)$
C. $(-7,-7)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(0,0)$
B. $(8,-5)$
C. $(10,-10)$

Reflect the shape over the Y axis.
2)


The shape above has the following coordinates:
A. $(5,0)$
B. $(7,5)$
C. $(8,7)$
D. $(3,10)$

Reflect the shape over the X axis.
4)


The shape above has the following coordinates:
A. $(-4,-1)$
B. $(-9,0)$
C. $(-7,-9)$
D. $(0,-7)$

Reflect the shape over the Y axis.

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(-5,-3)$
B. $(-9,-1)$
C. $(-7,-7)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(0,0)$
B. $(8,-5)$
C. $(10,-10)$

Reflect the shape over the Y axis.
2)


The shape above has the following coordinates:
A. $(5,0)$
B. $(7,5)$
C. $(8,7)$
D. $(3,10)$

Reflect the shape over the X axis.
4)


The shape above has the following coordinates:
A. $(-4,-1)$
B. $(-9,0)$
C. $(-7,-9)$
D. $(0,-7)$

Reflect the shape over the Y axis.

1. $-5,3 \xrightarrow{-9,1} \xrightarrow{-7,7} \xrightarrow{\text { Graph }}$




## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(-1,2)$
B. $(-6,4)$
C. $(-7,10)$

Reflect the shape over the Y axis.
3)


The shape above has the following coordinates:
A. $(-2,-1)$
B. $(-8,-4)$
C. $(-9,-7)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(4,-2)$
B. $(6,-1)$
C. $(9,-7)$
D. $(3,-10)$

Reflect the shape over the X axis.
4)


The shape above has the following coordinates:
A. $(-4,3)$
B. $(-7,2)$
C. $(-8,7)$
D. $(0,9)$

Reflect the shape over the Y axis.

## Reflect each shape as described.

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The shape above has the following coordinates:
A. $(-1,2)$
B. $(-6,4)$
C. $(-7,10)$

Reflect the shape over the Y axis.
3)


The shape above has the following coordinates:
A. $(-2,-1)$
B. $(-8,-4)$
C. $(-9,-7)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(4,-2)$
B. $(6,-1)$
C. $(9,-7)$
D. $(3,-10)$

Reflect the shape over the X axis.
4)


The shape above has the following coordinates:
A. $(-4,3)$
B. $(-7,2)$
C. $(-8,7)$
D. $(0,9)$

Reflect the shape over the Y axis.

1. $\mathbf{1 , 2}^{\mathbf{6}, 4} \xrightarrow{7,10} \underset{ }{\text { Gramh }}$

2. $-2,1 \quad-8,4 \quad-9,7 \quad \underset{ }{-6 \text { Graph }}$
3. $\frac{4,3}{\underline{7,2}} \underline{8,7} \underline{\underline{0,9}} \underline{\underline{c}}$

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(-1,-1)$
B. $(-6,0)$
C. $(-10,-6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(0,0)$
B. $(7,-1)$
C. $(9,-6)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(2,-3)$
B. $(9,-2)$
C. $(6,-9)$
D. $(0,-6)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(-2,0)$
B. $(-10,3)$
C. $(-6,6)$
D. $(-4,7)$

Reflect the shape over the X axis.

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(-1,-1)$
B. $(-6,0)$
C. $(-10,-6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(0,0)$
B. $(7,-1)$
C. $(9,-6)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(2,-3)$
B. $(9,-2)$
C. $(6,-9)$
D. $(0,-6)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(-2,0)$
B. $(-10,3)$
C. $(-6,6)$
D. $(-4,7)$

Reflect the shape over the X axis.

1. $\underline{-1,1} \xrightarrow{-6,0} \quad \underline{-10,6} \xrightarrow{\text { Gramh }}$

2. $\mathbf{0 , 0} \quad \mathbf{7 , 1} \quad 9,6 \xrightarrow{\text { Graph }}$


## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(5,-2)$
B. $(8,-1)$
C. $(6,-6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(-2,-1)$
B. $(-10,-2)$
C. $(-7,-7)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(5,-5)$
B. $(6,-3)$
C. $(8,-6)$
D. $(0,-10)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(5,3)$
B. $(10,0)$
C. $(9,6)$
D. $(4,9)$

Reflect the shape over the X axis.

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(5,-2)$
B. $(8,-1)$
C. $(6,-6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(-2,-1)$
B. $(-10,-2)$
C. $(-7,-7)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(5,-5)$
B. $(6,-3)$
C. $(8,-6)$
D. $(0,-10)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(5,3)$
B. $(10,0)$
C. $(9,6)$
D. $(4,9)$

Reflect the shape over the X axis.

1. $\mathbf{5 , 2} \underline{8,1} \quad \underline{6,6} \quad \underset{r}{\text { Graph }}$

2. $-2,1 \xrightarrow{-10,2} \quad-\quad-7,7 \quad \underset{ }{\text { Graph }}$


## Reflect each shape as described.



The shape above has the following coordinates:
A. $(2,4)$
B. $(6,2)$
C. $(10,6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(3,0)$
B. $(7,-3)$
C. $(10,-7)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(5,2)$
B. $(6,0)$
C. $(10,7)$
D. $(4,6)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(5,3)$
B. $(7,4)$
C. $(6,9)$
D. $(1,6)$

Reflect the shape over the Y axis.

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(2,4)$
B. $(6,2)$
C. $(10,6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(3,0)$
B. $(7,-3)$
C. $(10,-7)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(5,2)$
B. $(6,0)$
C. $(10,7)$
D. $(4,6)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(5,3)$
B. $(7,4)$
C. $(6,9)$
D. $(1,6)$

Reflect the shape over the Y axis.
Rect hape over the $Y$ axis.

1. $\xlongequal{2,-4} \xlongequal{6,-2} \xlongequal{10,6} \xlongequal{\mathrm{Graph}}$

2. $\begin{array}{llll}3,0 & 7,3 & 10,7 \\ \quad \mathrm{Graph}\end{array}$


## Reflecting on a Coordinate Plane

Name:
Reflect each shape as described.
1)


The shape above has the following coordinates:
A. $(0,4)$
B. $(7,1)$
C. $(8,6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(-3,3)$
B. $(-6,2)$
C. $(-9,7)$

Reflect the shape over the Y axis.
2)


The shape above has the following coordinates:
A. $(-4,0)$
B. $(-10,2)$
C. $(-9,6)$
D. $(0,10)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(-5,0)$
B. $(-6,3)$
C. $(-8,10)$
D. $(-4,9)$

Reflect the shape over the X axis.

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(0,4)$
B. $(7,1)$
C. $(8,6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(-3,3)$
B. $(-6,2)$
C. $(-9,7)$

Reflect the shape over the Y axis.
2)


The shape above has the following coordinates:
A. $(-4,0)$
B. $(-10,2)$
C. $(-9,6)$
D. $(0,10)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(-5,0)$
B. $(-6,3)$
C. $(-8,10)$
D. $(-4,9)$

Reflect the shape over the X axis.

1. $\underline{0,-4} \xrightarrow{7,-1} \xrightarrow{8,-6} \xrightarrow{\mathrm{Graph}}$

2. $\mathbf{3 , 3} \quad 6,2 \quad 9,7 \quad \frac{\mathrm{Graph}}{}$


## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(-5,2)$
B. $(-7,5)$
C. $(-9,6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(-4,5)$
B. $(-8,4)$
C. $(-6,10)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(4,5)$
B. $(7,0)$
C. $(9,6)$
D. $(5,8)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(4,-5)$
B. $(10,-2)$
C. $(6,-7)$
D. $(2,-8)$

Reflect the shape over the X axis.

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(-5,2)$
B. $(-7,5)$
C. $(-9,6)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(-4,5)$
B. $(-8,4)$
C. $(-6,10)$

Reflect the shape over the X axis.
2)


The shape above has the following coordinates:
A. $(4,5)$
B. $(7,0)$
C. $(9,6)$
D. $(5,8)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(4,-5)$
B. $(10,-2)$
C. $(6,-7)$
D. $(2,-8)$

Reflect the shape over the X axis.


3. $\stackrel{-4,-5}{-8,4} \xlongequal{-6.10} \xlongequal{-6 \mathrm{raph}}$
4. $\frac{4,5}{10,2} \frac{6,7}{2,8} \xlongequal{\frac{\mathrm{cman}}{}}$

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
A. $(3,-3)$
B. $(7,-4)$
C. $(6,-7)$

Reflect the shape over the X axis.
3)


The shape above has the following coordinates:
A. $(4,-5)$
B. $(10,0)$
C. $(9,-8)$

Reflect the shape over the Y axis.
2)


The shape above has the following coordinates:
A. $(4,-1)$
B. $(10,-4)$
C. $(8,-6)$
D. $(3,-10)$

Reflect the shape over the X axis.
4)


The shape above has the following coordinates:
A. $(-3,4)$
B. $(-10,1)$
C. $(-9,7)$
D. $(-2,8)$

Reflect the shape over the X axis.

## Reflect each shape as described.

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The shape above has the following coordinates:
A. $(3,-3)$
B. $(7,-4)$
C. $(6,-7)$

Reflect the shape over the X axis.
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The shape above has the following coordinates:
A. $(4,-5)$
B. $(10,0)$
C. $(9,-8)$

Reflect the shape over the Y axis.
2)


The shape above has the following coordinates:
A. $(4,-1)$
B. $(10,-4)$
C. $(8,-6)$
D. $(3,-10)$

Reflect the shape over the X axis.
4)


The shape above has the following coordinates:
A. $(-3,4)$
B. $(-10,1)$
C. $(-9,7)$
D. $(-2,8)$

Reflect the shape over the X axis.

1. $\frac{3,3}{7,4} \quad 6,7 \quad \underset{ }{\text { Graph }}$ 2. $\frac{4,1}{10,4} \quad \frac{8,6}{3.10} \quad \underline{c_{\text {mant }}}$
2. $-\frac{4,-5}{-10,0} \quad-\frac{-9,-8}{} \quad \underline{\text { Graph }}$


## Reflect each shape as described.



The shape above has the following coordinates:
A. $(1,3)$
B. $(10,5)$
C. $(7,9)$
D. $(4,10)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(0,-5)$
B. $(6,0)$
C. $(9,-7)$
D. $(3,-9)$

Reflect the shape over the Y axis.

## Reflect each shape as described.

1) 



The shape above has the following coordinates:
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B. $(-7,5)$
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Reflect the shape over the Y axis.
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The shape above has the following coordinates:
A. $(0,3)$
B. $(9,4)$
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Reflect the shape over the Y axis.
2)


The shape above has the following coordinates:
A. $(1,3)$
B. $(10,5)$
C. $(7,9)$
D. $(4,10)$

Reflect the shape over the Y axis.
4)


The shape above has the following coordinates:
A. $(0,-5)$
B. $(6,0)$
C. $(9,-7)$
D. $(3,-9)$

Reflect the shape over the Y axis.

1. $\underline{\mathbf{2 , 1}} \quad \underline{7,5} \quad \underline{10,7} \quad \underset{r}{\mathrm{Graph}}$



