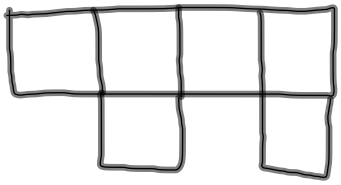
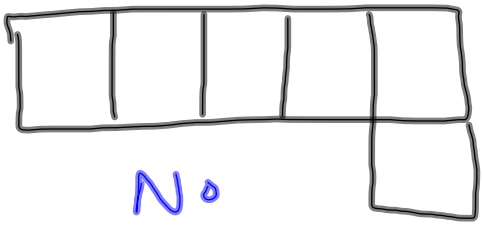
4-24-14

5th Geo

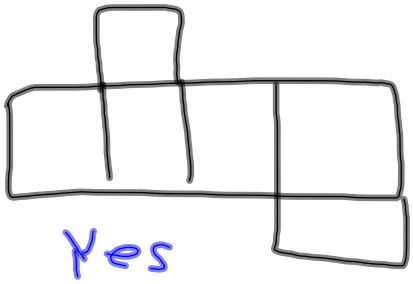
Can these be folded into a cube?



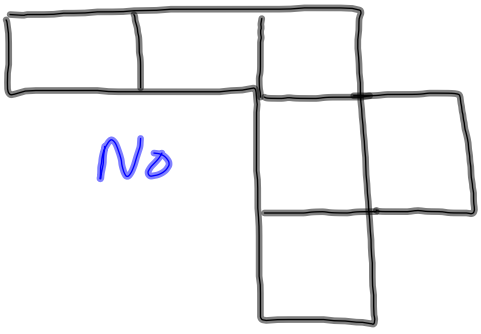
No



No



Yes

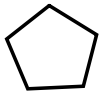


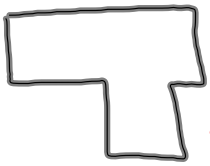
No

Which of these have point symmetry?

(A) Square  Yes

(B) Isosceles Trapezoid  NO

(C) Regular Pentagon  Yes

(D)  No

Which capital letters have a horizontal line of symmetry?

B C D E H I K O X

$(x-3)^2+(y+1)^2=36$

center = $(3,-1)$

radius = 6

$x^2+(y-1)^2=4$

Center = $(0,1)$

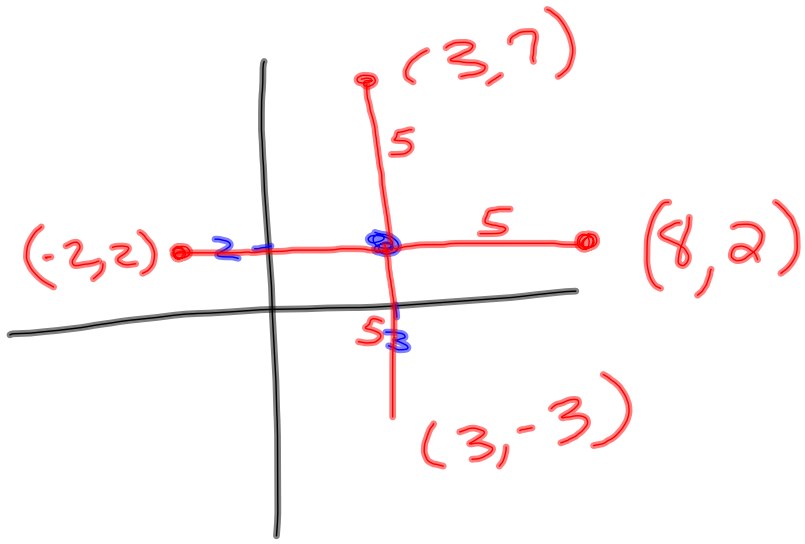
Radius = 2

Give me 4 points on the circle

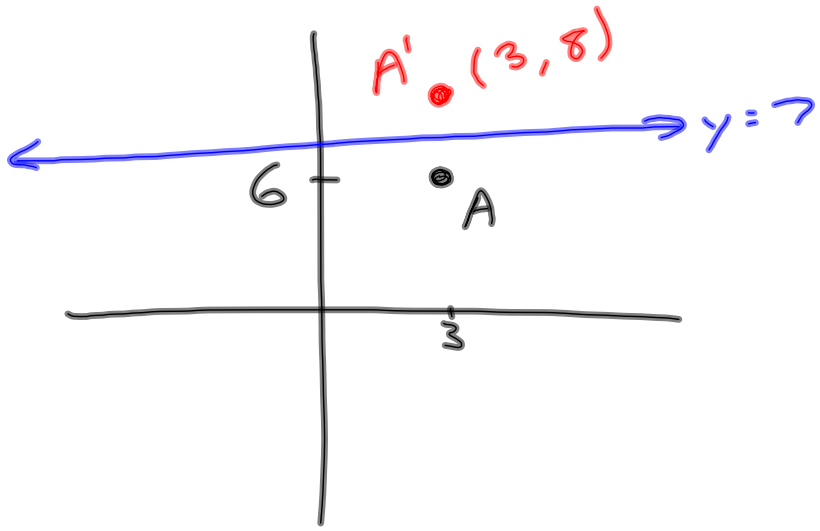
$$(x-3)^2+(y-2)^2=25$$

center = (3, 2)

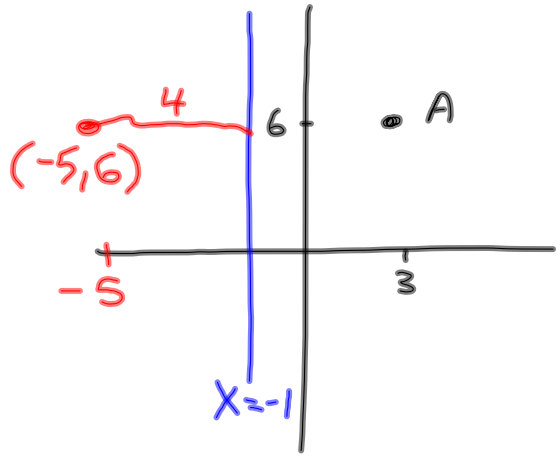
radius = 5



If A = (3, 6) and it is reflected across the line $y = 7$, what is A'?



If A = (3,6) and it is reflected across the line $x = -1$, what is A'?



If A = (3,6) and it is reflected across the line $y = x$, what is A'?

$A' = (6, 3)$

If A = (-1,10) and it is reflected across the line $y = -x$, what is A'?

$A' = (-10, +1)$

26 on PT2

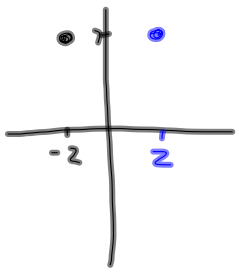
Which line of reflection maps A = (-2,7) to A' at (2,7).

(A) $y = x$ (7,-2) X

(B) $y = -x$ (-7,2) X

(C) y-axis ✓

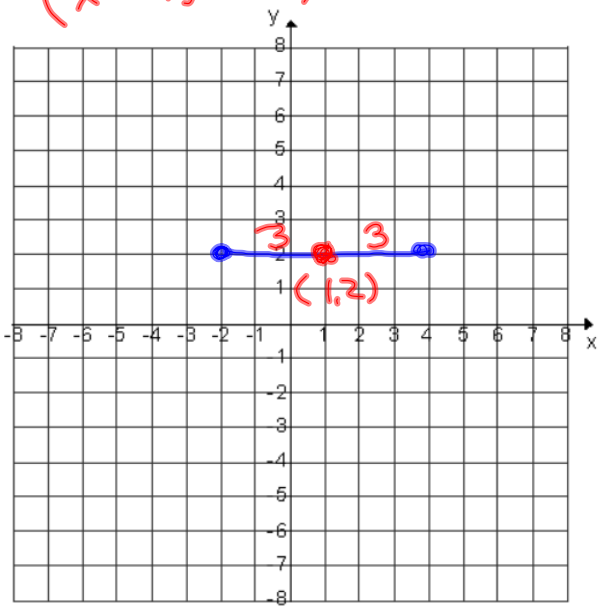
(D) x-axis X



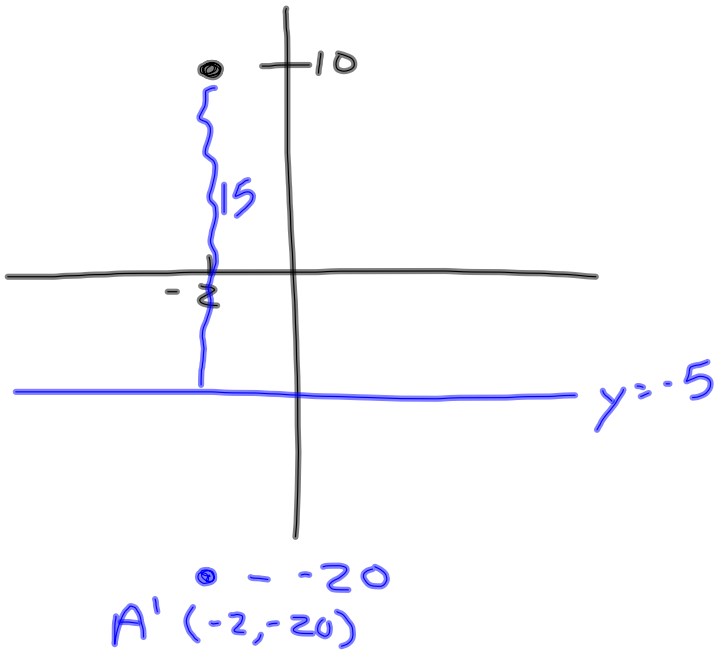
27 on P72

Give the equation of the circle whose diameter has endpoints (-2,2) and (4,2)

$(x-1)^2+(y-2)^2=9$

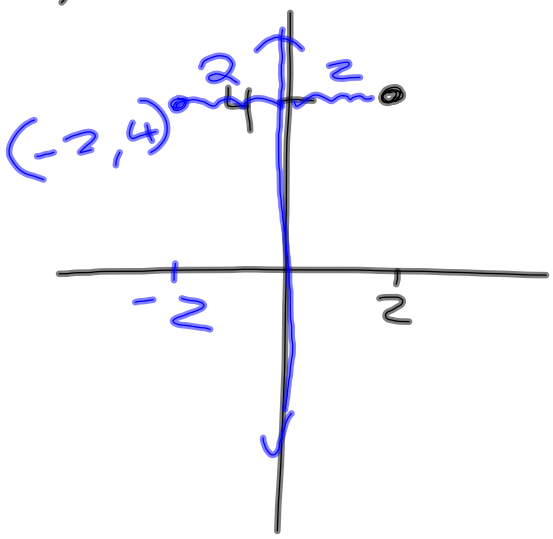


A = (-2, 10) Reflect over the line $y=-5$

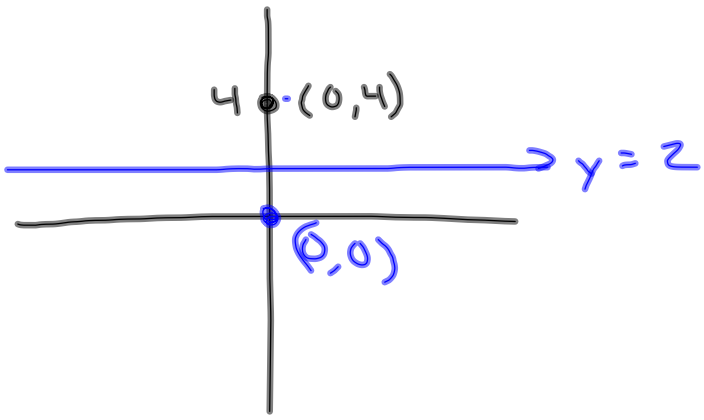


A' (-2, -20)

A = (2, 4) Reflect over the y-axis



A = (0, 4) Reflect over the line y = 2



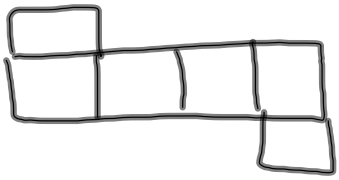
A = (-2, 10) Reflect over the line y = -x

(-10, 2)

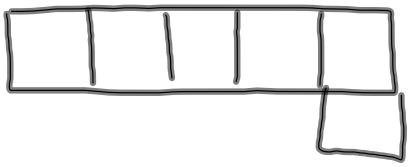
4-24-14

6th Geo

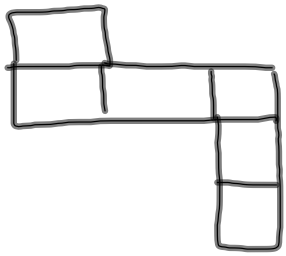
Can these be cubes



Yes



No



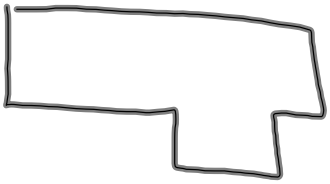
No

Which have point symmetry?

(A) Rectangle  Yes

(B) Isosceles Trapezoid  No

(C) Regular Pentagon  Yes

(D)  No

Which numbers have a horizontal line of symmetry?

0 1 3 8

$(x-3)^2+(y+5)^2=36$

center = $(3,-5)$

radius = 6

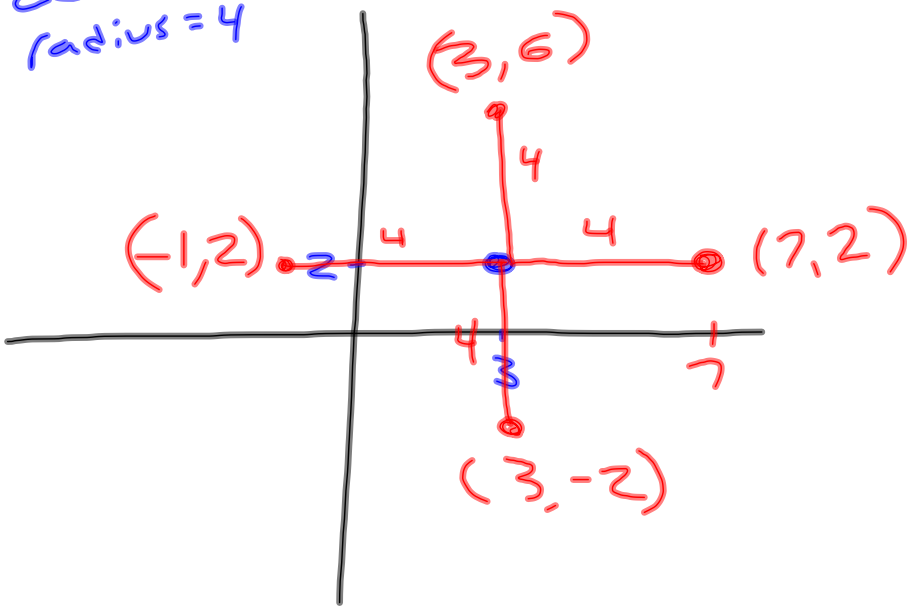
$(x+1)^2+y^2=4$

$C=(-1,0)$

$R=2$

Give me 4 points that are on the circle $(x-3)^2+(y-2)^2=16$

center = (3, 2)
radius = 4



A = (2, -5)

Reflect across the line $y = x$.

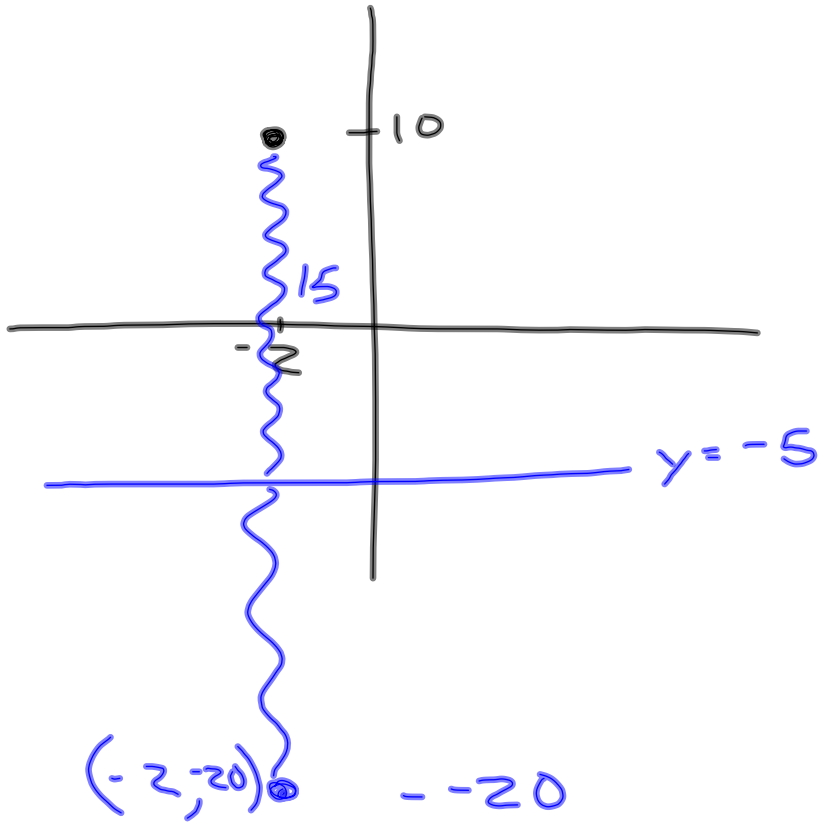
$A' = (-5, 2)$

A = (2, -5)

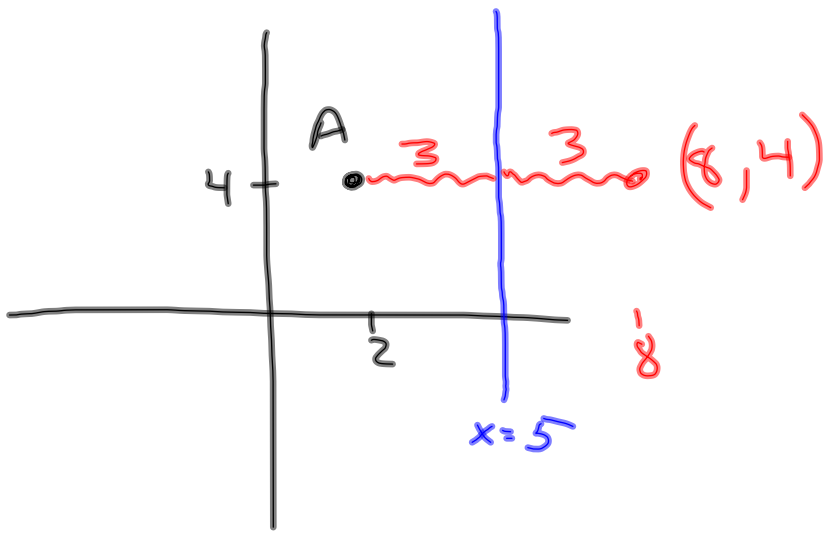
Reflect across the line $y = -x$

$A' = (5, -2)$

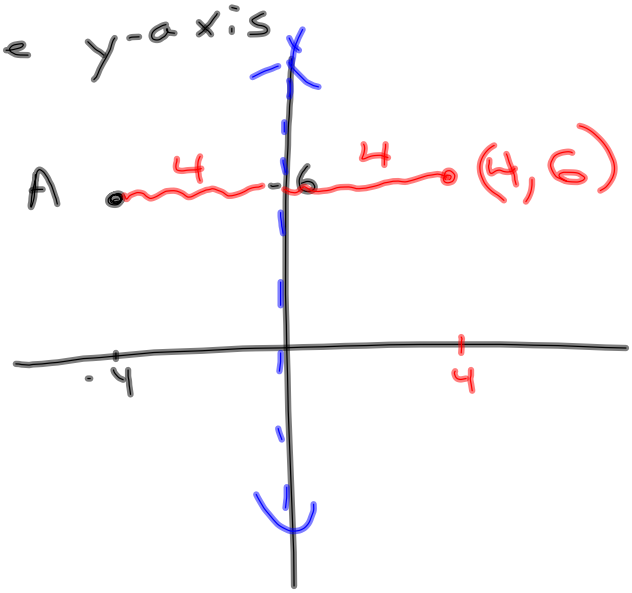
A = (-2, 10) Reflect over the line $y = -5$



A = (2, 4) Reflect over the line $x = 5$



A = (-4, 6) Reflect over the y-axis

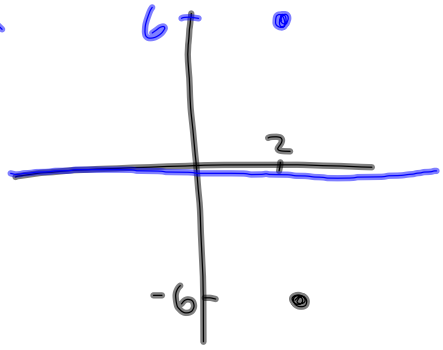


A = (2, -6). A' = (2, 6).

Which line was it reflected over?

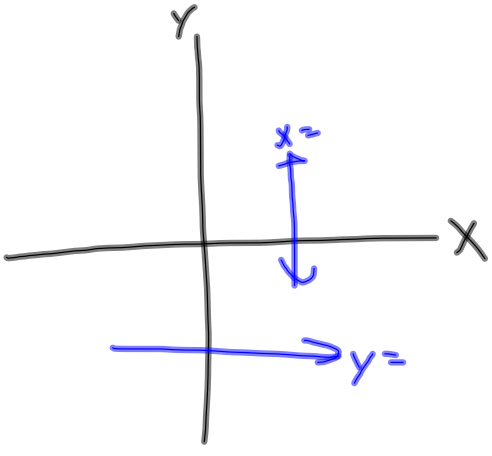
A) y = x (-6, 2) X

B.) y = -x (6, -2) X

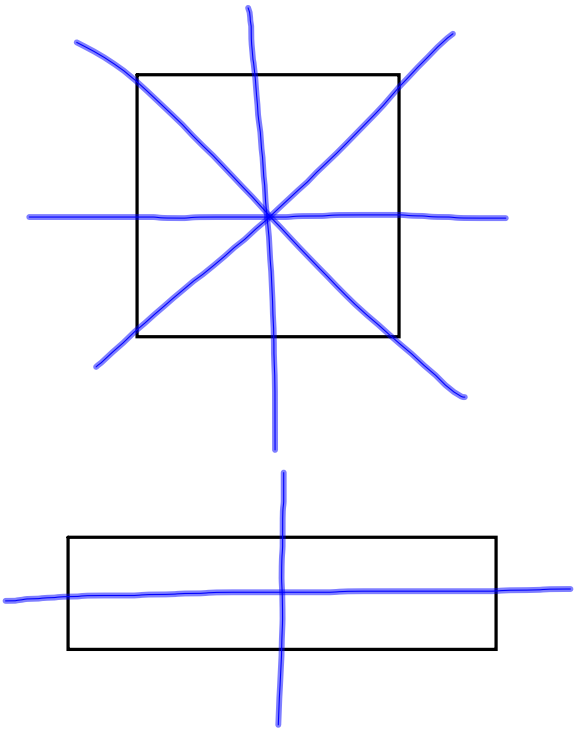


C.) y-axis

D.) X-axis



How many lines of symmetry does a square have?



A = (2, −10)

Reflect across the line x = 1 and then across the line y = x.