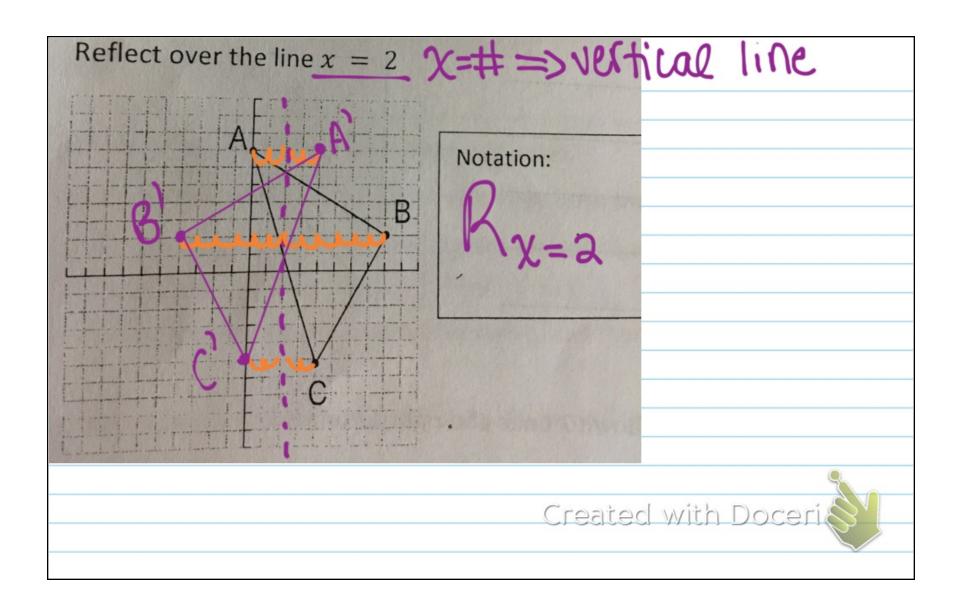
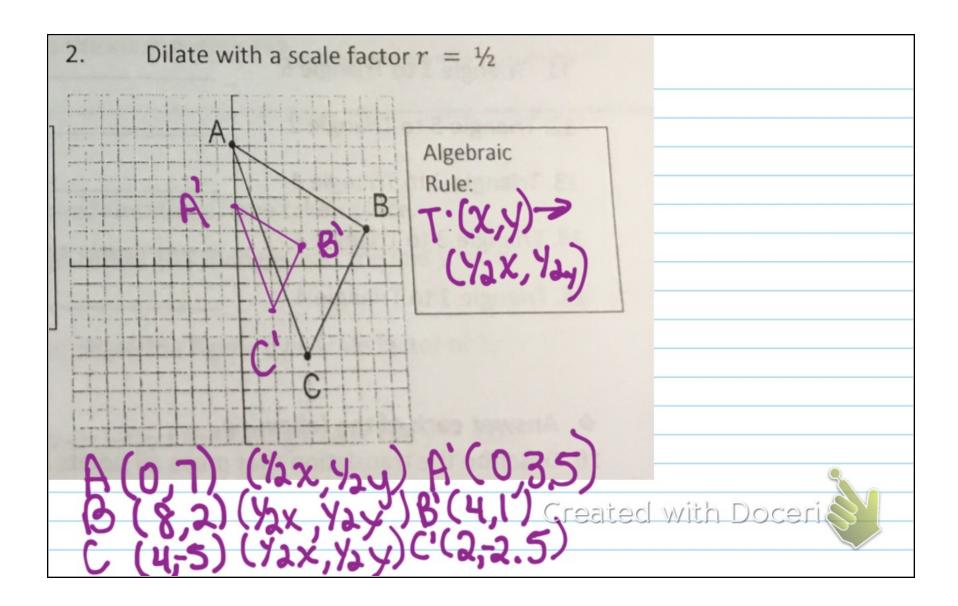
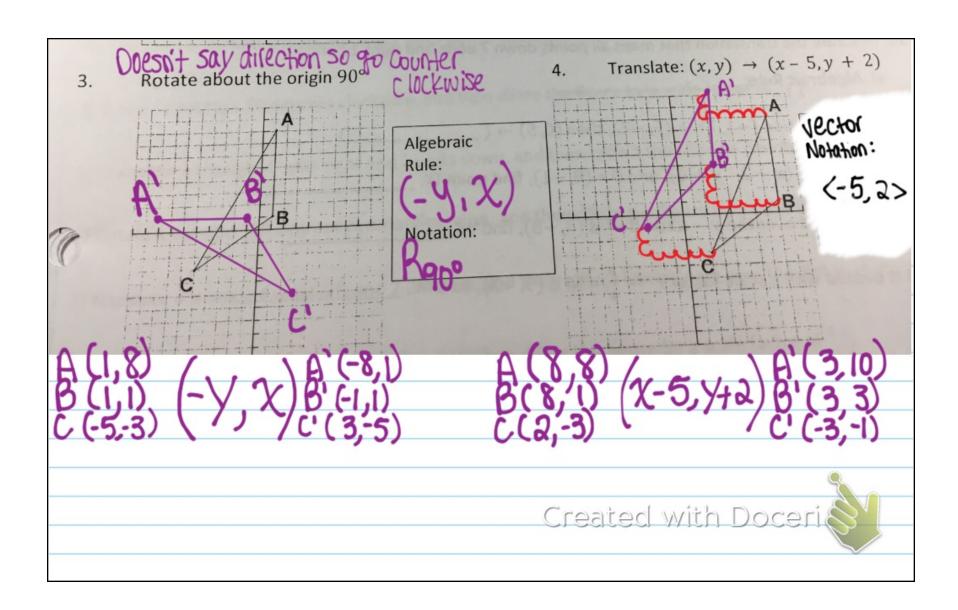
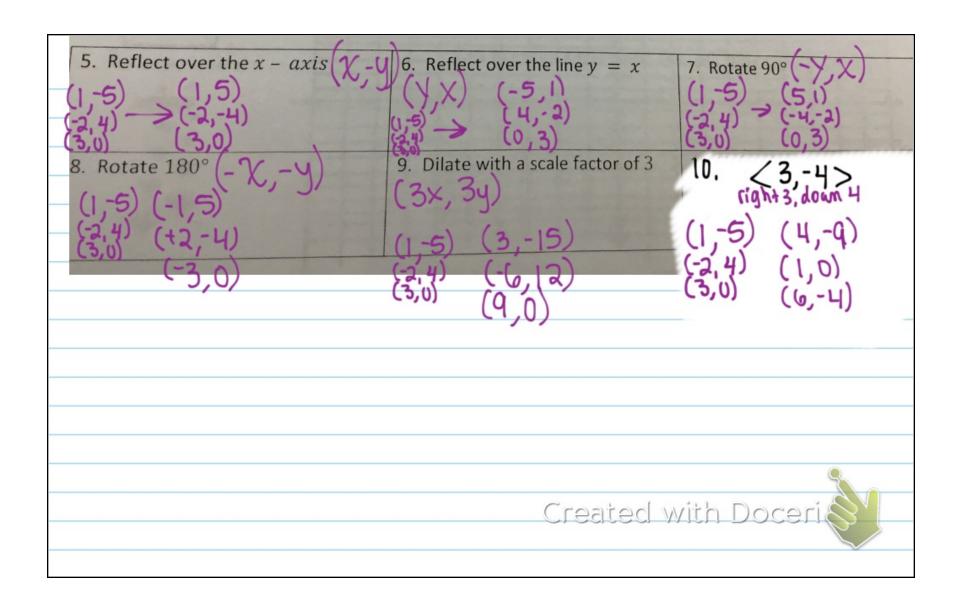
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Math 2 Unit 1 – Geometric Transformati QUIZ REVIEW HOMEWORK ❖ State whether the isosceles		Date her triangle is by a		on, or ro
11. Triangle 1 to Triangle 5 12. Triangle 5 to Triangle 2 13. Triangle 2 to Triangle 4 14. Triangle 3 to Triangle 4 15. Triangle 1 to Triangle 4	reflection Rotation Rotation Translation Translation	Rule	5 4	
		Created	with Doceri	

Answer each of the following.
16. Describe the translation that maps all points down 7 units and right 12 units.
a) Algebraic Rule: T: (X,y) (X+12, 4-7) Vector: <12,-7>
17. If the translation $(-1,7) \rightarrow (5,-2)$, then $(0,5) \rightarrow (\underline{},\underline{}-\underline{})$
17. If the translation $(-1,7) \rightarrow (3,-2)$, then $(0,3) \rightarrow (\underline{},\underline{},\underline{})$
18. If $T: (x, y) \to (x - 2, y + 6)$, and $D = (8, -1)$, find point D.
Given image, find pre-image, work backwards (2 0)
19. W is reflected over the y- axis. If W is (3, -8), find W'. (-3, -8)
(-X,V)
20. M is dilated with a scale factor $r = \frac{3}{4}$. If M is $(9, -3)$, find M'. $(6, 75, -2, 25)$
9(3/4), -3(3/4)
9
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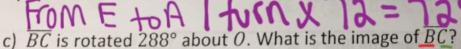
21. Given Regular Pentagon ABCDE with center O.

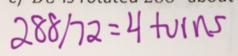
- a) A is rotated about 0. If the image of A is C, what is the angle of rotation?

 From Atv C 15 2 1 1 2 1440

 b) E is rotated about 0. If the image of E is A, what is the angle of rotation?

 From E to A 1 1 2 12





5 Sides so 360/5=72° per turn

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Solve each system: $y = -4x + 2$ $x - y = 3$
(1)-0=3
X-(-4x+2)=5 1-y=3
$\chi + 4\chi - 2 = 3$ $\gamma = 2$
5x-2=3 +2+2 -V-1
5x=5 55
χ=
Double-check + it created with Doceri

$11 \times 4x + 5y = 9$ $23 \times 11x + 9y = 20$	Elimination to avoid a bunch of fractions
44 x + 55 y = 99	
-44/x-36y=-80	4χ+5(1)=9
190 = 19 190 = 19	-5 -5 4χ=4
9=1	χ=1/
Double-chec	K + it Created with Doceri