

$$y = 3x + 8$$

$$x = y$$

$$\chi = 3 \chi + 6$$

$$-3\chi - 3\chi$$

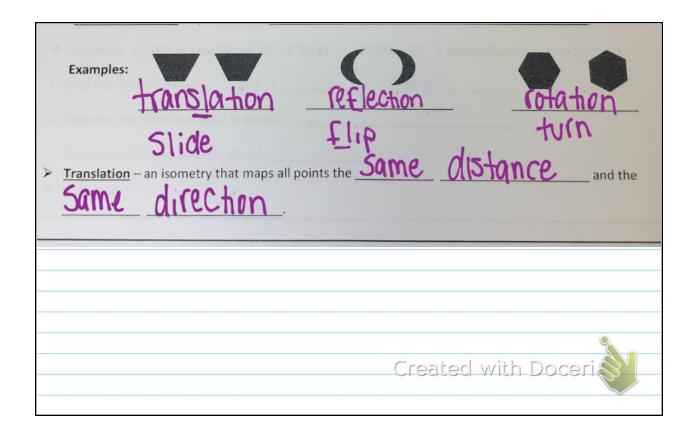
$$-2\chi = 6$$

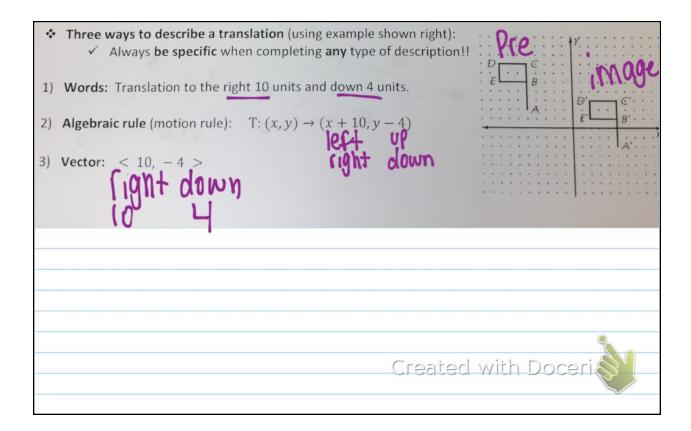
$$-2\chi - 2$$
Ition: $\chi = -4$

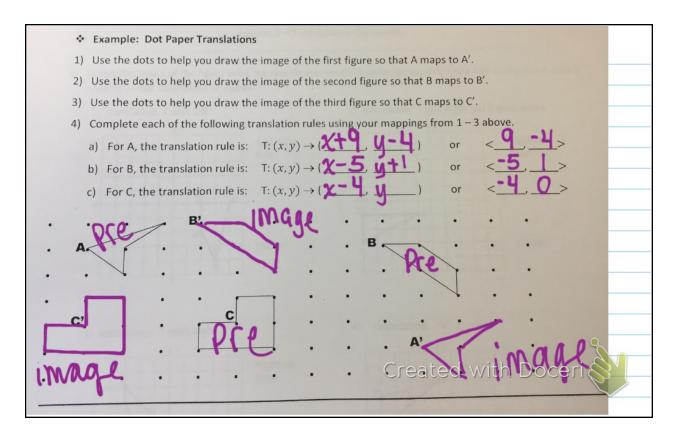
$$\chi = -4$$

$$\chi = -4$$
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QUIZ DATE:	TEST DATE:	
Math 2 – Honors	Name	
Unit 1 – Geometric Transformations	Date	Pd
Lesson 1 – Introduction to Transforma	tions and Translations	mental F
Introduc	tion to Transformations and Translation	s
> Congruent figures: Figure	s with the same	2156 4 2 pabe
✓ When two figures are co	ngruent, you can move one figure on top	p of the other figure with
No overlap f	it over each other	perfectly
		location of lentation
> Preimage - Starting		Position
Notation: AFB	F	F'
> Image - NEW or result	figure Preimage	Image
Notation: A'F'R'		
➤ Isometry – transformation in wh	ich preimage and image are the	me Size
Shape (also called	Rigid Motion	reated with Doceris
(also called	. · · · · · · · · · · · · · · · · · · ·	



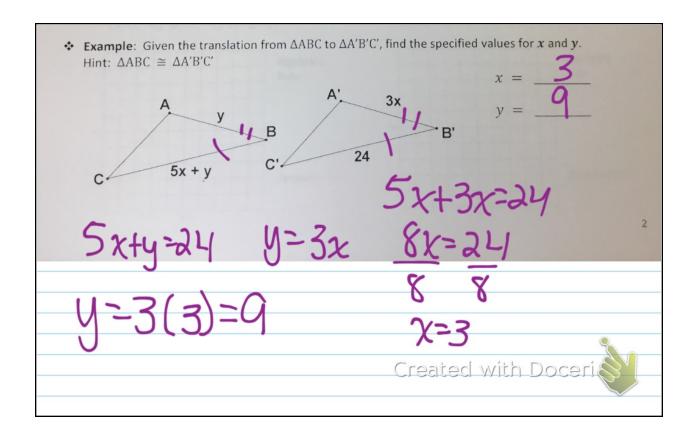




* Example: \triangle GEO has coordinates G(-2,5), $E(-4,1) \circ (0,-2)$. A translation maps G to G'(3,1).

1. Find the coordinates of:

a) $E'(1,3) \circ (5,-6) \circ (-2,5)$ 2. Describe the transformation in words: TANS late sight 5 down 4 G(3,1)3. The translation rule is $T:(x,y) \rightarrow (X+5, y-4)$ 4. The vector is <5, -4 >Example: Given the translation from \triangle ABC to \triangle A'B'C', find the specified values for x and y. Hint: \triangle ABC \cong \triangle A'B'C' X = A' A' Y = A'



Page	3-4	CW
Page	5	Extra Practice
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10) Translation: 3 units right and 4 units up $P(-4, -3), L(-2, -2), T(-2, -4)$ $Vertices: P'(-1,1) L'(1,2)T'(1,0)$ Algebraic Rule: $(\chi, y) \rightarrow (\chi + 3, y + 4)$	
Vector Notation: < 3,45	
	•
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9
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