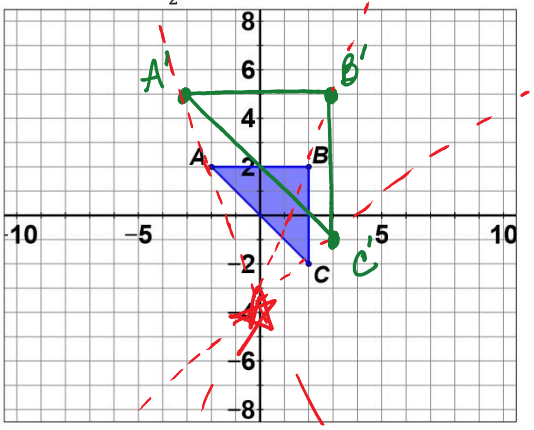
Dilations

Monday, December 19, 2016 10:39 AM

8.G.3

Modeling Dilations

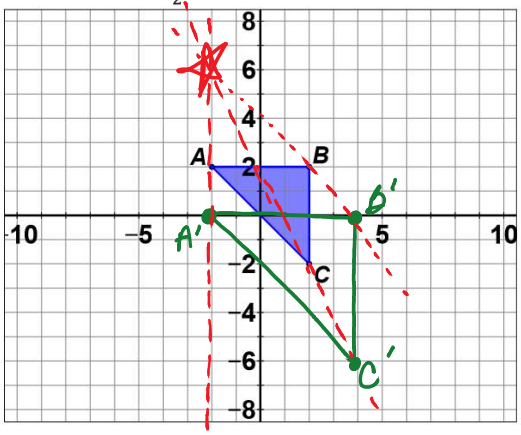
1. Dilate by $c = \frac{3}{2}$ with center $(0, -4)$



	Horizontal Distance From Center	Vertical Distance From Center
A	-2	6
B	2	6
C	2	2

	Horizontal Distance From Center	Vertical Distance From Center
A'	-3	9
B'	3	9
C'	3	3

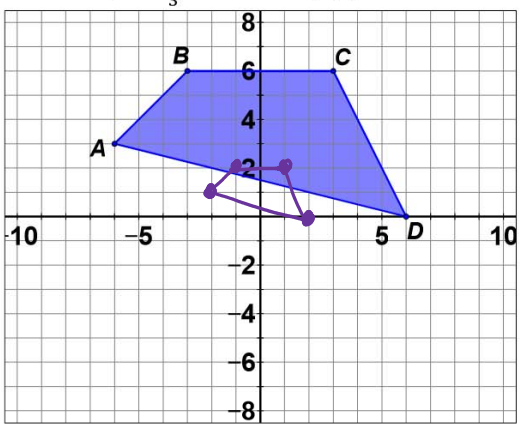
2. Dilate by $c = \frac{3}{2}$ with center $(-2,6)$



	Horizontal Distance From Center	Vertical Distance From Center
A	0	-4
B	4	-4
C	4	-8

	Horizontal Distance From Center	Vertical Distance From Center
A'	0	-6
B'	6	-6
C'	6	-12

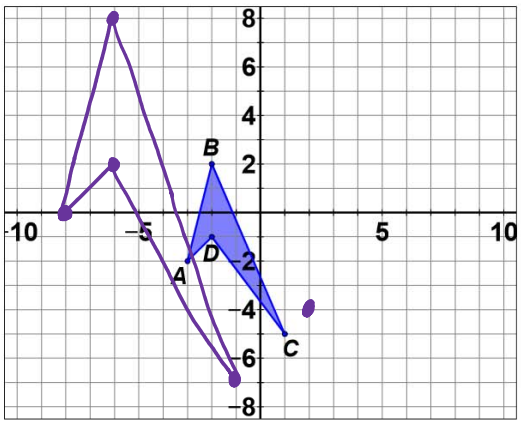
3. Dilate by $c = \frac{1}{3}$ with center $(0,0)$



	Horizontal Distance From Center	Vertical Distance From Center
A	-6	3
B	-3	6
C	3	6
D	6	0

	Horizontal Distance From Center	Vertical Distance From Center
A'	-2	1
B'	-1	2
C'	1	2
D'	2	0

4. Dilate by $c = 2$ with center $(2, -4)$



	Horizontal Distance From Center	Vertical Distance From Center
A	-5	2
B	-4	6
C	-1	-1
D	-4	3

	Horizontal Distance From Center	Vertical Distance From Center
A'	-10	4
B'	-8	12
C'	-2	-2
D'	-8	6