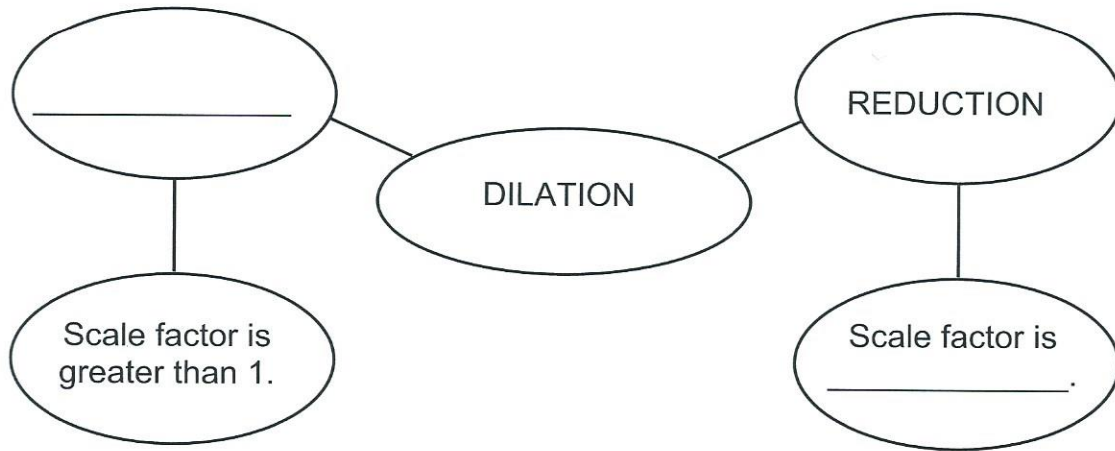


Student Name: _____ Date: _____

Dilations Organizer

Fill in the blanks on the concept organizer. Then complete the table.



Original Coordinates	New Coordinates	Scale Factor	Enlargement or Reduction?
A: (-3, 2) B: (-6, 8) C: (0, -4)	A': _____ B': _____ C': _____	2	
D: (8, -2) E: (-6, 4) F: _____	D': _____ E': _____ F': (-5, 0)	$\frac{1}{2}$	
X: (12, 4) Y: (0, -8) Z: (16, -6)	X': (9, 3) Y': (0, -6) Z': $\left(12, -4\frac{1}{2}\right)$		

Communicating About Mathematics

Describe how you determined the scale factor to dilate triangle XYZ to X'Y'Z'.

