Name:	Date:	_ Period: A B C D E F
Module 1: Topic 2 Lesson 2	Assignment—Rising, Running,	Stepping, Scaling

VOCABULARY----For questions 1-2, complete the following sentences with the correct term. Use your book to help you. 1. A DILATION with a scale factor greater than 1 is an Cn argement RATIO: 2. A DILATION with a scale factor between 0 and 1 is a reduction NEW ORIGINAL PRACTICE Classify the following scale factors as Reductions or Enlargements or Neither. 3.5, 2/5, 1, 4/3, 0.6, 5/8, 7 REDUCTION **ENLARGEMENT NEITHER** 2/5,0.6, = 3.5, 4/3, 7 For questions 1-3, Dilate the triangle using the scale factor given and using the origin as the center of dilation. 2. k= 1/4 1. k=2 3. k=1/2 ENLARGEMENT) or REDUCTION ENLARGEMENT or REDUCTION ENLARGEMENT or REDUCTION D 4 x B A (1,1) \times_2 A'(a,a) A (0,4) A'(0,1) B (a,-1) \rightarrow B'(4,-a) B (4,-4) \rightarrow B'(1,-1) B (4,8) \rightarrow A'(a,4) C (-a,0) c'(-4,0) C (-4,-4) C'(-1,-1) D' (3,3) 6. Determine the scale factor 4. Determine the scale factor 5. Determine the scale factor of the dilation. \mathbf{x} of the dilation. \times 4 of the dilation. -2 A (-12, 4) ---> Â' (-18, 6) Z (0, 12) ---> Z' (0, 6) A (7, -3) ---> A' (28, -12) <u>as</u> = 4 Scale Factor: Scale Factor: ____ Scale Factor: _____

