Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ February 12, 2018

Kobrin/Losquadro Math 8

**Dilations – Day 2**

1. What is W’ if W (3, -2) is dilated with a scale factor or 2?
2. What is the image Q’ of Q (-6, 9) under the dilation with a scale factor of 2/3?
3. Under a dilation with constant of dilation k, the image of the point A(2, 3) is A’(8, 12). What is the value of k?
4. Under a dilation with constant of dilation k, the image of the point L(18, 12) is L’(6, 4). What is the value of k?
5. Under a dilation, the image of A (1, 2) is A’(5, 10). Under the same dilation, what are the coordinates of T’, the image of T(1, -4)?
6. Under a dilation, the image of X (-2, 3) is X’(-6, 9). Under the same dilation, what are the coordinates of S’, the image of S(0, -3)?





