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Dilations worksheet answers

Example of the problem: Under factor 8 dilations with center on origin, if B (7, 9), what will be the coordinates of point B'? Page 2 [Home] This worksheet is a PDF document. You'll need an Adobe Acrobat Reader to view a worksheet or response. Each worksheet can consist of several pages, move down to all viewing. What are scale factors? Playing with objects is fun, isn't it? Sometimes you want to make an object smaller than it originally is, sometimes larger. Like how easy it is to fold and unwrime your clothes. We reduce them to fit them in a small area and open them to fit into our bodies. It's fun, isn't it? Just like that, the dimensions of the number can also be switched to make the shapes larger or smaller. The number used to multiply dimensions to get another shape that looks exactly the same but is either larger or smaller is known to Scale Factor. Let's take the example of having a square with a measure of one foot on each side. To make it larger, we will use a scale factor of two, so each side of the square will multiply by two. This will make the square bigger, and now it will have measurements of two meters. Let's say we have a triangle 2 inches high and one inch wide. We will use scale factor 1/2 to make the triangle smaller than the original shape. The triangle would be 1 inch tall and 0.5 inches long. Click Here to upgrade Show us how the shape changes to a dilation-based coordinate system. Homework 1 - This dilation focuses on origin, so you can find the image by multiplying x- and y-coordinates with the scale factor. Homework 2 - Multiply the coordinates of point A(-8, -12) by 1/4. The image is A'(-2,-3). Homework 3 - The movement here is quite significant. The reason I made them so great is because students have no problem seeing the exact coordinates. Practice 1 - Chart of images of the ABCD rectangle after dilation with scale factor 1/4, focused on origin. Practice 2 - See if you can parse the scale factor in this one. Practice 3 - Where is this one going? I through a number of fun pictures here, just lock up the concept. Quiz 1 - True or false, pictures show dilation? Quiz 2 - See if they're great. Quiz 3 - Do you remember number 2? Example of the problem: Under factor 8 dilations with center on origin, if B (7, 9), what will be the coordinates of point B'? Page 2 [Home] This worksheet is a PDF document. You'll need an Adobe Acrobat Reader to view a worksheet or response. Each worksheet can consist of several pages, move down to all viewing. What are scale factors? Playing with objects is fun, isn't it? Sometimes you want to make an object smaller than it originally is, sometimes larger. Like how easy it is to fold and unwrime your clothes. We reduce them to fit them in a small area and open them to suit our bodies. It's fun, isn't it? 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