Quizlet

M2 - Unit 1 Transformations

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2 Center of Dilation The number of degrees the figure rotates. 2 Center of Dilation The point around which a dilation is performed. 3 Center of Rotation The fixed point around which the rotation takes place. 4 Composition of Transformations When two or more transformations are combined to form a single transformation. 5 Dilation A transformation that alters the size of a figure, but not its shape. Not a rigid motion. 6 Enlargement A dilation with a scale factor greater than 1. 7 Gilde Reflection A composition of a translation and a reflection across a line parallel to the translation vector. 8 Image A shape that results of a transformation of a figure known as the pre-image. 9 Isometry A transformation in which all angles and sides stay the same size. 10 Line of Reflection A line that reflects all points over it, so that it is the perpendicular bisector of a point and it's image. 10 Perpendicular Bisector 11 Perpendicular Bisector 12 Preimage A shape that undergoes a motion or transformation. 13 Reduction A dilation with a sale factor less than 1. 14 Reflection A transformation that flips the figure over a line. 15 Reduction A transformation that changes the position of a figure without changing the size or shape of the figure. Includes translations, reflections, and rotations. 14 Rotation A transformation in which a figure "turns" around a point. 15 Scale Factor of a Dilation The moving of a figure by a translation (slide), rotation (turn), reflection (flip), or dilation (enlarge or reduce). 16 Translation A transformation that "slides" each point of a figure the same distance in the same direction.		
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