







3.Scale Factor:
• Is the ratio:
the distance from the center of dilation to a point on the
image: to the distance from the center of dilation to the
corresponding point on the pre-image.
 When r is greater than 1, the dilation is an enlargement. When r is between 0 and 1, the dilation is a reduction. If D P' lies on CP, and CP' = r(CP)
 If r<0, P' lies on CP' (the ray opposite CP) and r (CP)
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4. Dilations preserve angle measure, betweenness of points,
and collinearity, but do NOT preserve distance. Therefore, a
dilation is a similarity transformation.
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Vocabulary Image: The Dialation Preimage: Before The Dialation Dilation: to get bigger/smaller Center of Dilation: A point that you Center of Dilation: A point that you Scale Factor: HOW MUCH you dial atte By Similar: Close but not the same





