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|   Which statement is true?1. B.  C.  D.
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| Which transformation results in a figure that is similar to the original figure but has a greater area? 1. A dilation of  by a scale factor of 0.25.
2. A dilation of  by a scale factor of 0.5.
3. A dilation of  by a scale factor of 1.
4. A dilation of  by a scale factor of 2.
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| In the coordinate plane, segment  is the result of a dilation of segment  by a scale factor of  .Find the point that is the center of dilation. |

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| Given that  and , what is ? |

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| A.  B.  C.  D.  |

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| Which information is needed to show that a parallelogram is a rectangle?1. The diagonals bisect each other.
2. The diagonals are congruent.
3. The diagonals are congruent and perpendicular.
4. The diagonals bisect each other and are perpendicular.
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| 1. Place the compass point on vertex *Y* and draw an arc that intersects  and  .
2. Place the compass point on point *A* and draw an arc inside  .
3. Place the compass point on point *B* and draw an arc inside .
4. Place the compass point on vertex *Y* and draw an arc that intersect point *C*.
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