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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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