

### Lesson Practice B Transformations In The Coordinate Plane

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LESSON Practice B Exploring Transformations  
Triangle ABC has vertices A( 3, 1), B(2, 4), and C(3, 1). Find the coordinates of the image of each point after each transformation. 5. reflection across the x-axis, point B 6. translation 6 units down, point A B'(2, -4) A'(-3, -5) x y B C AD D' A'A C' B' B C A B' C' A' D' rotation translation J M K L J' M' R K' L' Q S Q' R' S' x y A ...

Reteach - Amphitheater Public Schools  
Holt McDougal Analytic Geometry. Practice B. Using Transformations to Graph Quadratic Functions. Graph the function by using a table. 1.  $f(x) = x^2 - 2x + 1$ .  $x = 2f(x) = (2x - 1)^2$  2. 1 0 1 2. Using the graph of  $f(x) = x^2$  as a guide, describe the transformations, and then graph each function.

LESSON Practice B Congruence  
Practice B 5-6 Dilations LESSON Tell whether each transformation is a dilation. 1. 2. Dilate each figure by the given scale factor with the origin as the center of dilation. What are the vertices of the image? 3. scale factor of 2 4. scale factor of 1/2 A A A x O y A DC B B 6 4 2 4 6 O x 2 y A D C B 2 4 4 2 2 4 4 2 not a dilation dilation x O ...

Practice B 15-1 Using Transformations to Graph Quadratic ...  
Lesson Perform Similarity Transformations Teaching Guide 1. They are equal to the scale factor. 2. reduced 3. enlarged 4. Sample answer: nAED, nEBF, nDFC A E B F C D 5. Sample answer: nADE, nGBF, nHIC H E A C I B G F D Technology Activity 1. Yes. nABC, nPQR by the SSS Similarity Theorem. 2. m? A 5 47.498, m? B 5 37.758.

gB 2010 crb c07 fm - Greenfield-Central Schools  
Practice B For use with the lesson "Apply Compositions of Transformations" The endpoints of CD are C(1, 2) and D(5, 4). Graph the image of CD) after the glide reflection. 1. Translation: (x, y) ? (x + 2, y) 2. Translation: (x, y) ? (x, y + 2) Reflection: in the x-axis Reflection: in y = x + 1 1 x y 1 1

LESSON Reteach 1-8 Exploring Transformations  
LESSON Reteach Using Transformations to Graph Quadratic Functions (continued) 5-1 Use the graph of  $f(x) = x^2$  as a guide to graph transformations of quadratic functions. Horizontal and vertical translations change the vertex of  $f(x) = x^2$ . Parent Function Transformation  $f(x) = 2g(x) + h$  O 2 k Vertex: 0, 0 Vertex: h, k The vertex of  $g(x) = x^2 + 2$

LESSON Practice B 5-6 Dilations  
Reteach Congruence and Transformations continued An isometry is a transformation that preserves length, angle, and area. Because of these properties, isometries produce congruent images. A rigid transformation is another name for an isometry. Dilations with scale factor  $k \neq 1$  are transformations that produce images that are not

LESSON Practice B T ranslations, Reflections, and Rotations  
Complete to identify each type of transformation. 1. 2. 3. Slide the figure Turn the figure 90° Flip the figure 2 units Transformation: Transformation: Transformation: Identify each as a translation, rotation, or reflection. 4. 5. 6. reflection rotation. translation translation rotation. reflection left. counterclockwise. over line m. m O 90° O 90° k A B C C' B' A' p

LESSON Practice B 7-7 Transformations - Course Page halku  
Practice C 1. A?(2, 12), B?(?, 6), C?(?, ?2); translation 1 unit left and 2 units up 2. A?(0.5, ?1.5), B?(2, 0.5), C?(?, ?0.5); dilation about (0, 0) with a scale factor of 1/2 A31 4-1 CS10\_G\_MECR710617\_CO4\_AK.indd 31 4/14/11 2:48:30 PM

Practice B 4-1 Congruence and Transformations  
Practice A 8-10 T ranslations, Reflections, and Rotations LESSON Identify the transformation. Choose the letter of the best answer. . Graph each translation. Follow the directions to graph each transformation. 1. translation B reflection C rotation 2. A CIBIA

Lesson Practice B Transformations In  
LESSON 1-8 Practice B Exploring Transformations Perform the given translation on the point 2, 5 and give the coordinates of the translated point. 1. left 3 units 2. down 6 units 3. right 4 units, up 2 units Use the table to perform each transformation of  $y = f(x)$ . Use the same coordinate plane as the original function.

Similarity and Geometric Relationships  
Practice B 7-7 Transformations LESSON Identify each as a translation, rotation, reflection, or none of these. 1. 2. ... point B 6. translation 6 units down, point A B A x y B C A D x y B C A D rotation translation J M K L J' M' R K' L' O S Q' R' S' x y y MSM07G8\_RESBK\_Ch07\_055-063.pe 2/13/06 1:00 PM Page 56.

Lesson Practice B 9 - Mr. Walker  
Displaying top 8 worksheets found for - 9 4 Practice Composition Of Transformation. Some of the worksheets for this concept are Lesson practice b 9, Chapter 9, Unit 9 study guide answer key, Pre algebra, Graph the image of the figure using the transformation, National math science mathematics initiative, First published in 2013 by the university of utah in. Lesson compositions of transform

Practice B 6 - Mr. Walker  
Similarity and Geometric Relationships Practice B: Dilations Tell whether each transformation is a dilation. 1. \_\_\_\_ 2. \_\_\_\_ Dilate each figure by the given scale factor with the origin as the center of dilation. What are the vertices of the image? 3. scale factor of 2 ...

LESSON Practice B 1-3 Transforming Linear Functions  
Practice B 5-6 Congruence LESSON Write a congruence statement for each pair of polygons. Find the value of the variable if triangle PRT is congruent to triangle FJH. 5. Find a. 6. Find b. 7. Find c. 8. Find x. 9. Find y. 10. Find z. 105° 35° 10 40° 12 15 P F T R J H 15 12 10 105° y° a b c z° x° 35 40 ° 1. 3. 2. 4. hexagon VTZYXW hexagon ...

LESSON Reteach Using Transformations to Graph Quadratic ...  
The range for the linear function is all real numbers, but the range for the quadratic function is all real numbers greater than or equal to 0. 7. The domain and the range for the cubic function are all real numbers. The domain and the range for the square-root function are all real numbers greater than or equal to 0.

LESSON Practice B Transformations - Cooper Blog  
Practice B Transformations Graph each translation. 1. 3 units left and 9 units down 2. 3 units right and 6 units up Graph each reflection. 3. across the x-axis 4. across the y-axis Graph each rotation around the origin. 5. 90° clockwise 6. 180° 7. A parallelogram has vertices A(?, 3), B(4, 3), C(6, ?1), and D(1, ?1). After a

9 4 Practice Composition Of Transformation Worksheets ...  
Perform each transformation of  $y = f(x)$ . 1. translation up 2 units 2. reflection across x-axis Y X Y X Name Date Class Reteach 1-8 Exploring Transformations LESSON Move each point 2 units left. Connect the points. x, y r x 2, y Flip each point across the axis. Connect the points. x, y r x, y