

# Practice B Lesson Transforming Linear Functions

## [Book] Practice B Lesson Transforming Linear Functions

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#### LESSON Practice B 1-3 Transforming Linear Functions

Practice B Transforming Linear Functions Let  $g(x)$  be the indicated transformation of  $f(x)$  Write the rule for  $g(x)$  1 2 3 horizontal translation vertical compression by reflection across the left 3 units a factor of 1 5 y-axis \_\_\_\_\_ 4 linear function defined ...

#### Practice B Lesson Transforming Linear Functions

Practice B Lesson Transforming Linear Practice B Lesson Transforming Linear LESSON 2-6 Practice B Transforming Linear Functions Let  $g(x)$  be the indicated transformation of  $f(x)$  Write the rule for  $g(x)$  1 2 3 horizontal translation vertical compression by reflection across the left 3 units a factor of \_\_\_\_\_ 1 5 y-axis 4 linear function defined

#### LESSON Practice B 5-9 Transforming Linear Functions

Practice B Transforming Linear Functions Graph  $f(x)$  and  $g(x)$  Then describe the transformation from the graph of  $f(x)$  to the graph of  $g(x)$  1  $f(x)$ ;  $g(x) = 3$  2  $f(x) = \frac{1}{2}x + 3$ ;  $g(x) = \frac{1}{4}x + 3$  3  $f(x)$ ;  $g(x) = 2x + 5$  4 Graph  $f(x) = 3x + 1$  Then reflect the graph of  $f(x)$  across the y-axis Write a function  $g(x)$

#### Lesson 6 4 Transforming Functions Practice B Answers

LESSON 2-6 Practice B Transforming Linear Functions Let  $g(x)$  be the indicated transformation of  $f(x)$  Write the rule for  $g(x)$  1 2 3 horizontal translation vertical compression by reflection across the left 3 units a factor of \_\_\_\_\_ 1 5 y-axis 4 linear function defined by the table; horizontal stretch by a factor of

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**Lesson 6 4 Transforming Functions Practice B Answers**

Download Lesson 6 4 Transforming Functions Practice B Answers Transforming Linear Functions 6-4 Practice and Problem 4 + 5 Use the parent function and the description of the transformation to write the new function 12 Transform the graph of  $f(x) = -x + 2$  in such a way that it has the same steepness in the opposite direction 4 4 8-8 8-8

**5B Using Linear Functions**

Vocabulary Match each term on the left with a definition on the right 1 coefficient 2 coordinate plane 3 transformation 4 perpendicular A a change in the size or position of a figure B forming right angles C a two-dimensional system formed by the intersection of a horizontal number line and a vertical number line D an ordered pair of numbers that gives the location of a point

**3.6 Transformations of Graphs of Linear Functions**

Section 36 Transformations of Graphs of Linear Functions 147 CCore ore CConceptconcept Monitoring Progress Refl ections in the x-axis The graph of  $y = -f(x)$  is a refl ection in the x-axis of the graph of  $y = f(x)$  x y  $y = -f(x)$   $y = f(x)$  Multiplying the outputs by  $-1$  changes their signs Refl ections in the y-axis The graph of  $y = f(-x)$  is a refl ection in the y-axis of the graph of y

**4.10 Notes Alg1.notebook**

410 Transforming Linear Functions Describe how changing slope and yintercept affect the graph of a linear function To see effects of variables on linear data 410 Transforming Linear Functions Vocabulary A family of functions is a set of functions whose graphs have basic characteristics in common

**Chapter 5 Linear Functions - Whitesboro High School**

Linear Functions 293 Vocabulary Match each term on the left with a definition on the right 1 coefficient 2 coordinate plane 3 transformation 4 perpendicular A a change in the size or position of a figure B forming right angles C a two-dimensional system formed by the intersection of a horizontal number line and a vertical number line

**LESSON Practice A Introduction to Parent Functions**

LESSON 1-9 Practice A Introduction to Parent Functions Identify the parent function for g from its function rule 1  $g(x) = 2x^2 - 6$  2  $g(x) = 3x + 1$  3  $g(x) = 3x^2$  Quadratic Cubic Linear Identify the parent function for each graph Then describe which transformation of the parent function it represents 4 Y X 5 Y X 6 Y Quadratic; Linear; Cubic; reflection