Name: _____ Class: _____ Date: _____ ID: A

Chapter Five Chapter Test Part 1 Review Classwork

Problem

1. A) What is the slope, (m), of the line that passes through the points (–2,24) and (–5,36)?

   B) What is the y-intercept, (b), of the line that passes through the points (–2,24) and (–5,36)?

   C) What is the slope-intercept form of the linear equation that describes the line that passes through the points (–2,24) and (–5,36)? For the rest of this problem this line will be referred to as the "original line."

   D) What is the x-intercept of the original line?

   E) What are the two point-slope forms of the original line that use the points (–2,24) and (–5,36)?

   F) What is the standard form of the original line?

   G) Find the standard form of the original line where the coefficient of the y term is –4?

   H) What is the slope-intercept form of the line that passes through the point (9,–44) and is parallel to the original line?

   I) What is the slope-intercept form of the linear equation that describes the line that is perpendicular to the original line, and passes through the point (–8,5)? For the rest of this problem this line will be referred to as the "perpendicular line."

   J) What is the slope-intercept form of the perpendicular line when it is translated up 10 steps?

   K) What is the slope-intercept form of the perpendicular line when it is reflected across the y-axis?

   L) What is the slope-intercept form of the perpendicular line when it is reflected across the x-axis?