

Date _____

1. Find the equation of the line using the given information. Write your answer in standard form.

a) Slope 6; through (4, 3)

b) Through (3, 2) and (5, 6)

2. Find the equation of the line using the given information. Write your answer in slope-intercept form.

a) Horizontal line through (-1, 3)

b) Perpendicular to $y = 5$, through (1, 2)**3. In 1996, there were 135 thousand apparel and accessory stores in the United States. In 2001, there were a total of 152 thousand apparel and accessory stores. Write an equation describing this relationship. Use ordered pairs of the form (years past 1996, number of stores in thousands).**

a) What information or facts does the problem tell you that will help you to solve it? Is there any information given that will not help you?

b) Clearly define your variables.

c) Find the equation of the line. Write your answer in slope-intercept form.