Extra Practice 3

Master 4.22

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| Lesson 4.3: Another Form of the Equation for a Linear Relation**1.** Does each equation describe a vertical, a horizontal, or an oblique (angled) line? Describe each vertical or horizontal line.**a)** *y* = 4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **b)** 2*x* + 5 = 7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**c)** 2*x* – *y* = 6 \_\_\_\_\_\_\_\_\_\_\_\_ **d)** 3*y* + 9 = 0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**2.** Which equation below describes each graph? **a) b)**u04_m22-t01  **u04_m22-t02** **i)** *x* = 2 **ii)** *x* = –2 **iii)** *y* = 2 **iv)** *y* = –2

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| x | y |
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**3.** The sum of two numbers is 8. Let *x* and *y* represent the two numbers.**a)** Create a table for 5 different values of *x*.**b)** Graph the data. Should you join the points?**c)** Write an equation that relates *x* and *y*.**4.** Graph each line. Explain your work.**a)** *x* = 4 **b)** 2*y* = 6**c)** *y* – 2 = –6 **d)** 2*x* + 3 = 8**5.** For each equation below:* Make a table for the given values of *x*.
* Graph the equation.

 **a)** 3*x* + *y* = 3; for *x* = –2, 0, 2 **b)** *x* – 2*y* = 8; for *x* = –2, 0, 2 |