Worksheet 4.4 – The Slope of a Line – Textbook pages 226-233

LEVEL 1

Find the slope of the line passing through the given points. Use the slope formula and show your

1) (3,2) (2,3)

2) (4,6) (-2,6)

3) (3,-9) (3,8)

4) (-1,4) (3,-2)

5) (7,2) (-8,-3)

6) (-5,-4) (-3,-9)

LEVEL 2

Find the value of y so that the line passing through the two points has the given slope. Show your work.

- 7) (3,y) (3,3) m = undefined
- 8) (4,y)(6,3) m = -2
- 9) (-3,5)(0,y) m = 3

- 10) (3,5) (1,y) m = 3/2
- 11) (-6,y)(0,2) m = -1/3
- 12) (5,-1)(-2,y) m = 1

LEVEL 3

Find the rate of change between the two points and include units. Show your work.

- 13) (4,10) (6,15); *x* in minutes, *y* in miles
- 14) (3,5)(11,69); x in years, y in dollars

- 15) (7,21) (14,42); *x* in days, *y* in gallons
- 16) (1,2) (8,16); x in weeks, y in pounds

LEVEL 4

ost \$5. Find
lion voters