

Integrated Math 10 – Lesson 1 – Writing Linear Equations

FAST FIVE – opening exercises

- (1) **K** Find the slope of the line segment through the points A(-2,5) and B(-5,-3) **K**

- (2) **A** Determine the annual growth rate of Manila’s population if the population in 2007 was 11,500,000 and is estimated to be 16,300,000 in 2011. **A**

- (3) **K** Given the linear equation $3x - 4y = 12$, write the equation in the form of $y = \dots$ and $x = \dots$ **K**

- (4) **A** To convert temperature from °F to °C, we use the formula $C = \frac{5}{9}F + 32$. How would you rearrange the formula to convert from °C to °F? **A**

- (5) **A** Determine the equation of the line through the points A(3,3) and B(6,-6) **A**

- (6) **T** Revisit Q2. Determine the DAILY growth rate of Manila’s population. What ASSUMPTIONS are you making? **T**

CLASS WORK:

HH Textbook, Sec 5E.1, p121, Q1ac, 2ac, 3ac **K,C** and Q6 **T**

HH Textbook, Sec 5E.2, p123, Q2acd **K,C**

HH Textbook, Sec 5E.3, p125, Q4 **A**, 3 **C**.