

Math 9 / 9H

**1.2 Test Review*****1.2 – I can solve literal equations.***

1) a. Give an example of a literal equation.  b. Explain what each variable represents in the equation you chose.	2) $-4x + y = 7$ (y)
3) $\frac{x}{3} + y = 5$ (x)	4) $\frac{ab-3}{5} = c$ (b)
5) $hgy - pqz = w$ (q)	6) $abcd = wxyz$ (c)

7)  $\frac{5}{7}x + 4 = y$  (x)

8)  $5x + 9 = 2y + 7$  (x)

9)  $S = 2\pi r^2 + \pi r h$  (h)

10)  $V = \pi r^2 h$  (h)

11) The following formula is to find the area of a triangle, given that you know the base and the height:  $A = \frac{1}{2}bh$

a. Using the formula above, create a formula that will calculate the height, given you know the area and the base.

b. Using your answer in part (a), if the area of a triangle is 56 square feet and the base is 14 feet, what is the height?