Name:			Date:		Period:
Solve the following equations for the indicated letter.					
1.	If 2m + 2p = 16, <b>p</b> equals:	2.	If bx - 2 = K, then <b>x</b> equals:	3.	If 3ax + b = c, then <b>x</b> equals:
4.	If c = 2m+ d, then <b>m</b> is equal to:	5.	If $x = 2a - b^2$ , then <b>a</b> equals:	6.	If $x + y = 9x + y$ , then <b>x</b> is equal to:
7.	If 9x + 2a = 3a - 4x, then <b>x</b> equals:	8.	If 7x + 2a = 3x + 5a, then <b>x</b> is equivalent to:	9.	If 2ax - 5x = 2, then <b>x</b> is equivalent to:
10.	If a + ar = b + r, the value of <b>a</b> in terms of b and r can be expressed as:	11.	If $\frac{x}{4} - \frac{a}{b} = 0$ , $b \neq 0$ , then <b>x</b> is equal to:	12.	Solve the equation 3x + 4y = 15 for <b>y</b> :
13.	If the formula for the perimeter of a rectangle is P = 2I + 2w, then w can be expressed as:	14.	If P = 2L + 2W, then <b>L</b> equals:	15.	In the equation A = p + prt, <b>t</b> is equivalent to:
16.	Sean knows the length of the base, b, and the area, A, of a triangular window in his bedroom. Use the formula for the area of a triangle to find the height, <b>h</b> , of this window?	17.	The formula for the volume of a right circular cylinder is $V = \pi r^2 h$ . The value of <b>h</b> can be expressed as:	18.	The formula for potential energy is P = mgh, where P is potential energy, m is mass, g is gravity, and h is height. Which expression can be used to represent g?

19. Shoe sizes and foot length are related by the formula S = 3F - 24, where S represents the shoe size and F represents the length of the foot, in inches.

- a. Solve the formula for **F**.
- b. To the nearest tenth of an inch, how long is the foot of a person who wears a size  $10\frac{1}{2}$  shoe?