

0.2 Evaluate Equations

Name: _____

Corrective Assignment #1

Directions: Use the given equation to solve.	Directions: Complete the table using the given equation. SHOW WORK.										
$b = \frac{a}{2} - 8$ <p>1) Find b, when a = -10.</p> <p>2) Find a, when b = -12</p>	$3) y = -4x + 3$ <table border="1" data-bbox="776 321 1013 638"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr> <td>-3</td> <td></td> </tr> <tr> <td></td> <td>8</td> </tr> <tr> <td>6</td> <td></td> </tr> <tr> <td></td> <td>23</td> </tr> </tbody> </table>	x	y	-3			8	6			23
x	y										
-3											
	8										
6											
	23										

Directions: For the given situations come up with an equation, define your variables and answer the questions. SHOW WORK.

Sully wants to raise \$400 by selling off his old sports cards. He figures he can make \$2 for every basketball card and \$5 for every baseball card.

4) What is an equation for this situation? Define your variables

5) How many baseball cards does Sully need to sell if he sells 100 basketball cards? SHOW WORK.

6) How many basketball cards does Sully need to sell if he sold 60 baseball cards? SHOW WORK.

Mr. Kelly wants to find the total number of wins the Buffalo Bills will win the rest of his life. Currently they have won a total of 12 games and he figures they'll average 5 wins a year.

7) What is an equation for this situation? Define your variables

8) How many years will it take for the Bills to have won 67 games? SHOW WORK.

9) How many total games will the Bills win in 20 years? SHOW WORK

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Corrective Assignment Answers

1) $b = -13$

2) $a = -8$

3)

x	y
-3	15
$-\frac{5}{4}$	8
6	-21
-5	23

4) $400 = 2x + 5y$

x = number of basketball cards sold

y = number of baseball cards sold

5) 40 baseball cards

6) 50 basketball cards

7) $w = 5y + 12$

w = total wins for Buffalo Bills

y = years played

8) 11 years

9) 112 wins