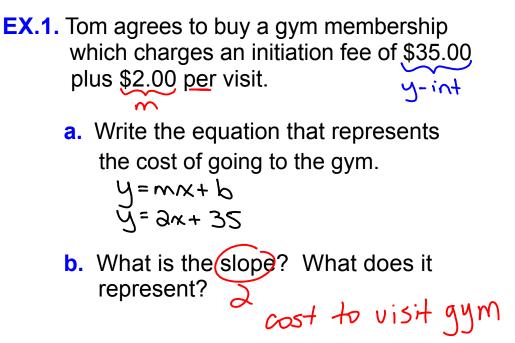
Word Problems

The equation of a line:

y = mx + b / Stope y-intercept

When you have word problems (a context) that are linear relationships, the same formula can be used, but the "*m*" and the "*b*" have different meanings.

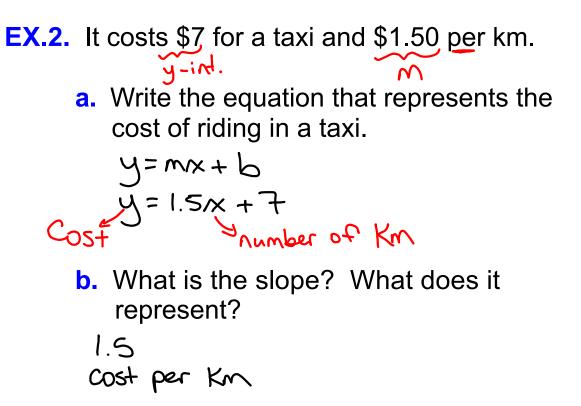


```
c. What is the y-intercept? What does
it represent? 35
initial value
(base fee)
```

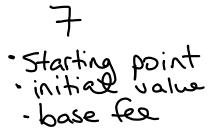
d. Find the cost for 12 visits

$$y = ax + 35$$

 $y = a(1a) + 35$
 $y = a4 + 35$
 $y = 59$
it costs \$ 59



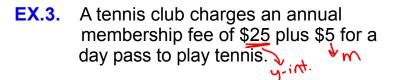
c. What is the y-intercept? What does it represent?



d. Find the cost of a 6km taxi ride.

$$y=1.5x + 7$$

 $y=1.5(6) + 7$.: costs *16
 $y=9+7$
 $y=16$



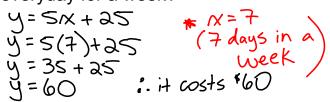
a. Write the equation that represents the cost of a membership.

c. What is the y-intercept? What does it represent?

*****25 base fee

.

d. How much would it cost to play tennis everyday for a week?



e. How many times would you play if the cost for the membership is \$65?

March 21, 2016

Homework:

Handout: Word Problems #1-3 Fill in the Blanks Sheet Test is Fri !!