How am I doing?

1. What is the slope of the x-axis? _____ _____0_____ $\frac{0}{-}$.
2. Perpendicular lines have _____opposite reciprocal_____ slopes.
3. What is the slope perpendicular to the y-axis? ___0___ $\frac{0}{-}$
4. Parallel lines have the _____same_____ slope.
5. The slope of the y-axis is _____undefined (1/0)_____ .
6. The slope parallel to -5/7 is _____-5/7_____ .
7. The slope perpendicular to 6/11 is _____-11/6_____ .
8. The slope parallel to the y-axis is _____undefined (1/0)_____ .
9. Calculate the slope of (2, -5) (3, 2). _____7_____

$$\frac{2+-5}{3-2} = \frac{7}{1}$$
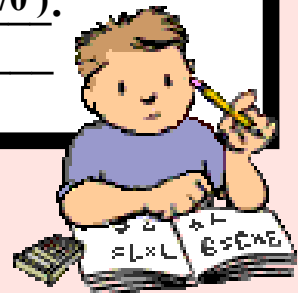
To join the local gym. Karim pays a start-up fee of $99.00, plus a monthly fee of $29.00.

m =

b =

x =

y =

a) Write an equation for the total cost, C dollars, for n months at the gym.

b) Suppose Karim went to the gym for 23 months. What was the total cost?

c) Suppose the total cost was $505. For how many months did Karim use the gym?

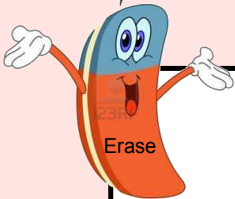d) Could the total cost be exactly $600? Justify your answer.

a) **Write an equation for the total cost, C dollars, for n months at the gym.**

b) **Suppose Karim went to the gym for 23 months. What was the total cost?**

c) **Suppose tne total cost was $505. For how many months did Karim use the gym?**

d) **Could the total cost be exactly $600? Justify your answer.**

Erase

Erase

1. State the slope perpendicular to y =-3/8x - 4

Slope = $-\frac{3}{8}$ $= \frac{8}{3}$

2. State the slope parallel to y =-7x + 3

Slope = -7 $= -7$

3. State the slope perpendicular to y = 6x + 2/3

Slope = $\frac{6}{1}$ $\frac{-1}{6}$

4. State the slope perpendicular to y =-8 - 4/5x

Slope = $-4/5$ $= \frac{+5}{4}$