

Page 373

18. The equation of a linear relation is:

$$y = -7x + 4$$

Find the missing number in each

ordered pair.

a) $(-2, \underline{\hspace{1cm}})$ b) $(\underline{\hspace{1cm}}, -17)$

c) $(8, \underline{\hspace{1cm}})$ d) $(\underline{\hspace{1cm}}, 4)$

19)

19. Francis sells memberships to a local health club. He is paid \$200 per week, plus \$40 for each membership he sells. An equation for this relation is

$p = 200 + 40n$, where n represents the number of memberships Francis sells, and p represents his pay in dollars.

a) Use the equation to create a table of values.

b) One week, Francis sold

9 memberships. What was his pay for that week?

c) One week, Francis was paid \$480. How many memberships did he sell that week?

19.a)

n	p
0	200
1	240
2	280
3	320
4	360
5	400
6	440
7	480

b) \$560
c) 7 memberships

20)

20. Use the data from question 19.

a) Construct a graph for the data.
b) Describe the relationship between the variables in the graph.
c) Find the ordered pair on the graph that shows Francis' pay when he sells 5 memberships.

