Name _____ Class _____

Ordered Pairs Worksheet

Determine whether each ordered pair is a solution of y = 4 + 2x.

1) (1, 1) 2) (2, 8) 3) (0, 4) 4) (8, 2)

Determine whether each ordered pair is a solution of y = 3x – 2.

5) (1, 1) 6) (3, 7) 7) (5, 15) 8) (6, 16)

Complete the tables.

9) y = x + 5

x		**y**
-2		
-1		
0		
1		
2		

10) y = 4x

x		**y**
-2		
-1		
0		
1		
2		

11) y = 3x + 6

x		**y**
-2		
-1		
0		
1		
2		

12) Alexis opened a savings account with a $120 deposit. Each week she will put $20 into the account. The equation that gives the total amount "t" in her account is **t = 120 + 20w**, where "w" is the number of weeks since she opened the account. Write an ordered pair (w, t) for how much money Alexis will have in her savings account after:

a. 5 weeks? b. 9 weeks? c. 3 months?

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Use the table at the right for exercises 13-14.

13) Write the ordered pair that shows the averages miles per gallon in 1990.

14) The data can be approximated by the equation **m = 0.31x – 595** where "m" is the average miles per gallon and "x" is the year. Use the equation to find an ordered pair (x, m) that shows the estimated miles per gallon in the year **2020**.

Year	Miles per Gallon
1970	13.5
1980	15.9
1990	20.2
1995	21.1
1996	21.2
1997	21.5

For exercises 15-16, use the equation F = 1.8C + 32, which relates Fahrenheit temperatures "F" to Celsius temperatures "C."

15) Write ordered pair (C, F) that shows the Celsius equivalent of 86°F.

16) Write ordered pair (C, F) that shows the Celsius equivalent of 45°F.

Answer the following:

17) The perimeter "p" of a square is four times the length of a side "s," or **p = 4s**. Write the ordered pair **(s, p)** for a square that has sides that are 5 inches.

18) Maria pays a monthly fee of $3.95 plus $0.10 per minute for long-distance calls. Use the equation **p = 3.95 + 0.10m** where "p" is how much Maria pays and "m" is the number of minutes to write an ordered pair **(m, p)** showing the phone bill for 120 minutes.

19) Tickets to a baseball game cost $12 each, plus $2 each for transportation. Use the equation **c = 12p + 2p** for the cost "c" of going to the game in terms of the number of people "p." Write an ordered pair **(p, c)** that shows the cost for 6 people.