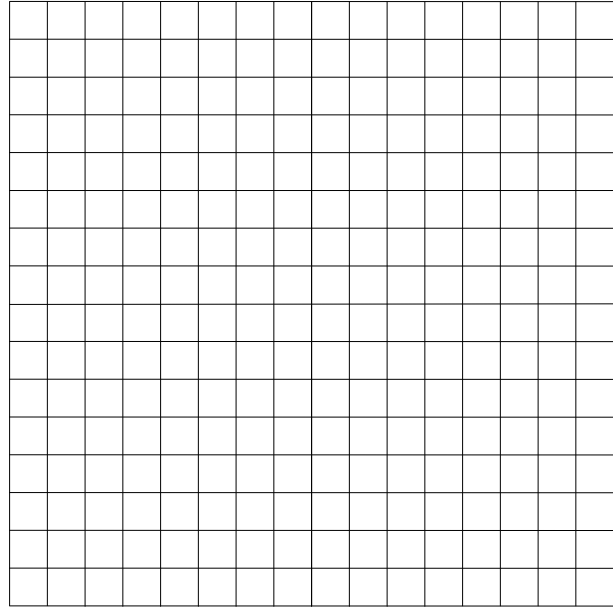


General Algebra II Class Worksheet #4 Unit 6 page 1 _____

Tom has a part-time job. He can work up to 20 hours a week. He gets paid \$8.00 per hour. Let t represent the number of hours he works. Let $P(t)$ represent his total pay.

1. Make a table giving t and $P(t)$ every 4 hours from $t = 0$ to $t = 20$.

2. Graph function P .



3. Write an equation giving $P(t)$ in terms of t . _____

4. What is the domain of function P ?

5. What is the range of function P ?

6. Evaluate $P(8)$. What does $P(8)$ represent in terms of the problem?

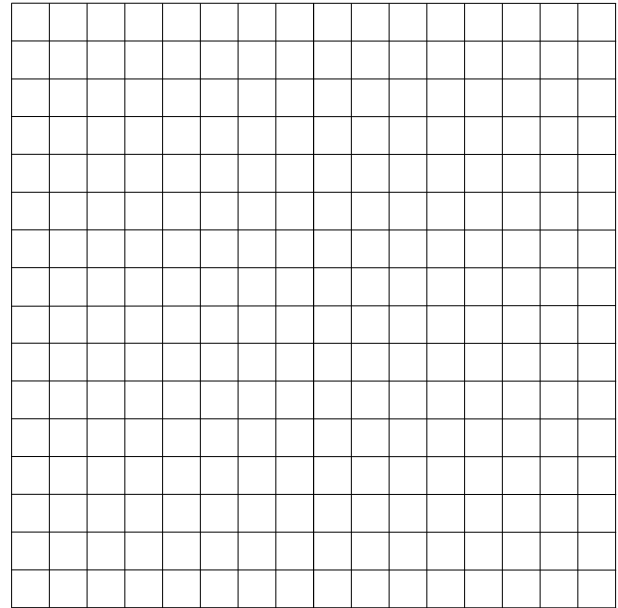
7. If $P(t) = 28$, then find the value of t . Describe what this value of t represents in terms of the problem.

General Algebra II Class Worksheet #4 Unit 6 page 2

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let $D(t)$ represent the distance in miles that the Ferry is from Bird Island.

8. Make a table giving t and $D(t)$ every half hour from $t = 0$ until the Ferry reaches Bird Island.

9. Graph function D .



10. Write an equation giving $D(t)$ in terms of t . _____

11. What is the domain of function D ?

12. What is the range of function D ?

13. Evaluate $D(1)$. What does $D(1)$ represent in terms of the problem?

14. If $D(t) = 15$, then find the value of t . Describe what this value of t represents in terms of the problem.