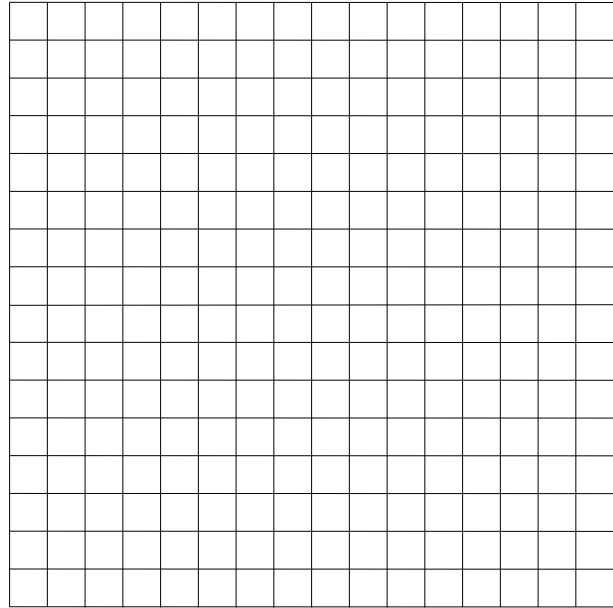


General Algebra II Worksheet #4 Unit 6 page 1 _____

Jane walks for 1 minute at a constant speed of 4 feet per second. Let t represent her walking time (in seconds) and $d(t)$ represent the distance she has walked (in feet). Answer each of the following. Show your process neatly organized.

1. Make a table giving t and $d(t)$ every 10 seconds from $t = 0$ to $t = 60$.

2. Graph function d .



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

4. What is the domain of function d ?

5. What is the range of function d ?

6. Evaluate $d(20)$. What does $d(20)$ represent in terms of the problem?

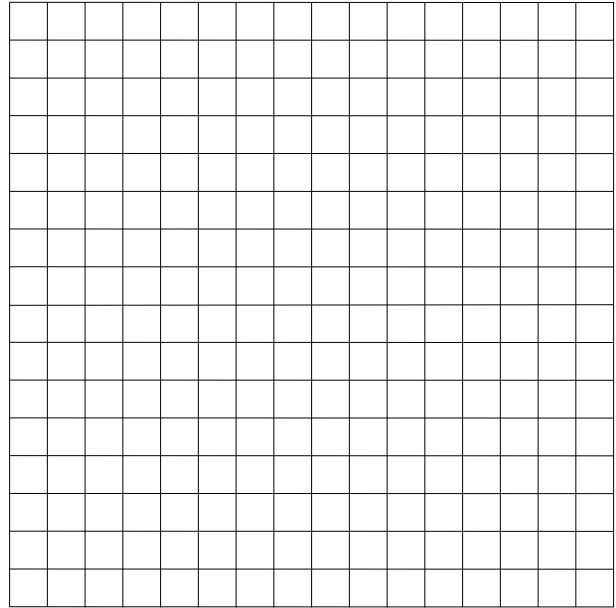
7. If $d(t) = 20$, then find the value of t . Describe what this value of t represents in terms of the problem.

General Algebra II Worksheet #4 Unit 6 page 2

Harry bikes for 2 hours at a constant speed of 12 miles per hour. Let t represent his biking time (in hours) and $D(t)$ represent the distance he has biked (in miles). Answer each of the following. Show your process neatly organized.

8. Make a table giving t and $D(t)$ every half hour from $t = 0$ to $t = 2$.

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 $D(0.75)$. What does $D(0.75)$ represent in terms of the problem?

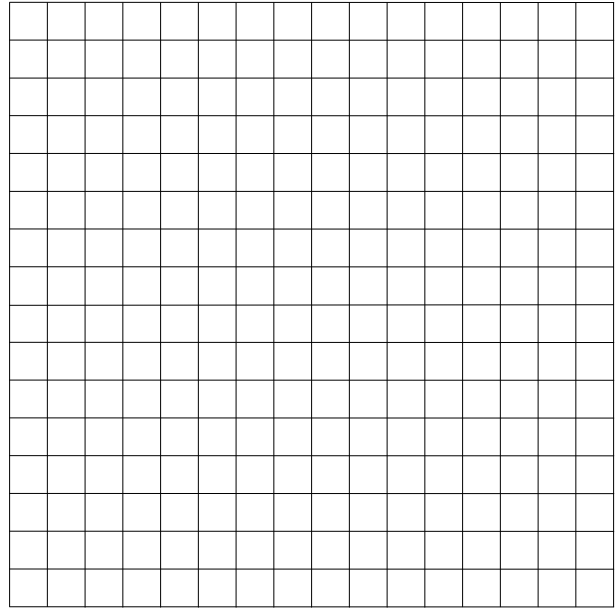
14. If $D(t) = 18$, then find the value of t . Describe what this value of t represents in terms of the problem.

General Algebra II Worksheet #4 Unit 6 page 3

Paul walks for 3 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and $d(t)$ represent the distance he has walked (in feet). Answer each of the following. Show your process neatly organized.

15. Make a table giving t and $d(t)$ every 30 seconds from $t = 0$ to $t = 180$.

16. Graph function d .



17. Write an equation giving $d(t)$ in terms of t . _____

18. What is the domain of function d ?

19. What is the range of function d ?

20. Evaluate $d(90)$. What does $d(90)$ represent in terms of the problem?

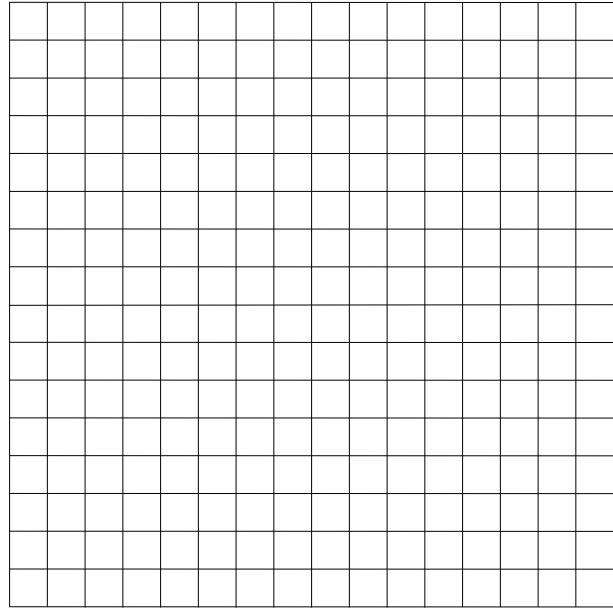
21. If $d(t) = 90$, then find the value of t . Describe what this value of t represents in terms of the problem.

General Algebra II Worksheet #4 Unit 6 page 4

Mary bikes for 2.5 hours at a constant speed of 8 miles per hour. Let t represent her biking time (in hours) and $D(t)$ represent the distance she has biked (in miles). Answer each of the following. Show your process neatly organized.

22. Make a table giving t and $D(t)$ every half hour from $t = 0$ to $t = 2.5$.

23. Graph function D .



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

25. What is the domain of function D ?

26. What is the range of function D ?

27. Evaluate $D(1.2)$. What does $D(1.2)$ represent in terms of the problem?

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