

Use the table to write an equation and answer the question.

23. The table shows the heights in inches of trees after they have been planted. What is the height of a tree that is 64 in. tall in its pot?

Tree Height	
Height in Pot, x	Height Without Pot, y
30	18
36	24
42	30
48	36

24. The table shows amounts earned for pet sitting. How much is earned for a 9-day job?

Pet Sitting	
Days, x	Dollars, y
1	17
2	34
3	51
4	68

Refer to the drawing of houses for Exercises 25 and 26.



25. **Patterns** Make a table and draw a graph to show the relationship between the number of houses and the number of windows.
- What is the number of windows in 9 houses?
 - If n houses have k windows, write an expression to represent the number of windows for $n + 1$ houses.
26. Bobby says that a subdivision similar to the one above has a total of 202 windows. Is 202 a reasonable number of windows? Explain.

B Apply

Tell whether the given ordered pair is a solution of the equation.

27. $y = 2x + 7$; $(-2, 3)$

28. $-\frac{1}{4}x + 6 = y$; $(2, 4)$

29. $y = -1.2x - 2.6$; $(3.5, 6.8)$

30. **Think About a Plan** The table shows how long it takes Kayla to learn new songs. How many hours does Kayla need to practice to learn 9 songs?
- From row to row, how much does the number of hours h increase? How much does the number of songs s increase?
 - By how many rows would you need to extend the table to solve the problem?

Kayla's Piano Practice	
Hours, h	Songs Learned, s
1.5	1
3.0	2
4.5	3
6.0	4

31. **Air Travel** Use the table at the right. How long will the jet take to travel 5390 mi?

Passenger Jet Travel				
Hours, h	1	2	3	4
Miles, m	490	980	1470	1960