

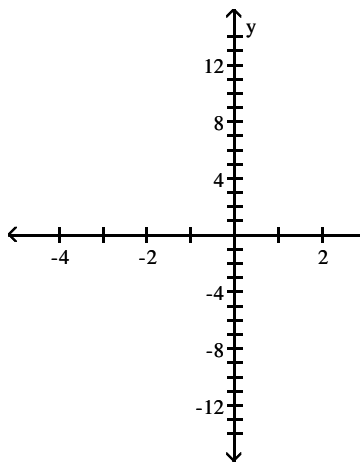
Name _____

Date _____

Graph the equation. Find seven solutions in your table of values for the equation by using integers for x , starting with -3 and ending with 3 .

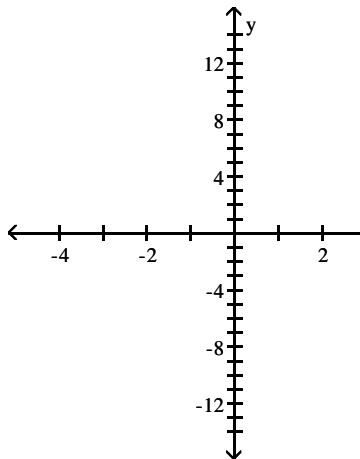
1) $y = x^2 - 1$

x	$x^2 - 1$
-3	
-2	
-1	
0	
1	
2	
3	



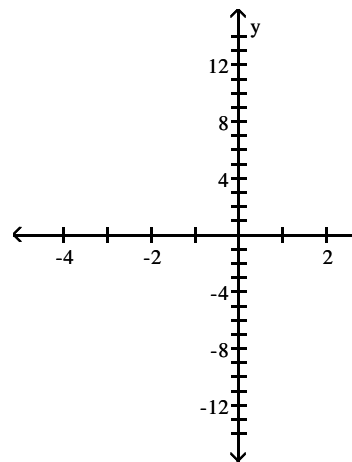
2) $y = x^2 + 5$

x	$x^2 + 5$
-3	
-2	
-1	
0	
1	
2	
3	



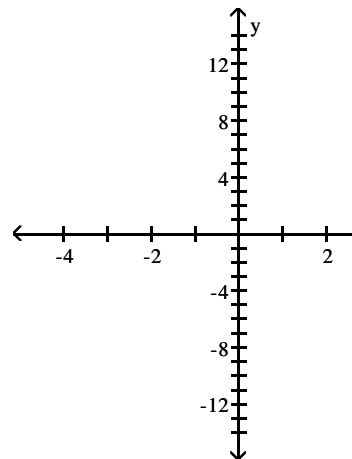
3) $y = 5 - x^2$

x	$5 - x^2$
-3	
-2	
-1	
0	
1	
2	
3	



4) $y = 2 - x^2$

x	$2 - x^2$
-3	
-2	
-1	
0	
1	
2	
3	

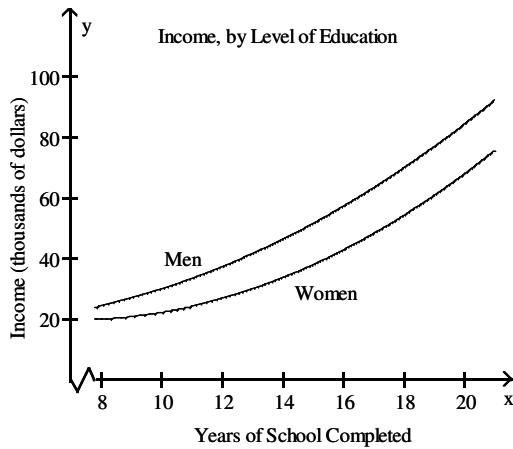


Solve.

- 5) A census was taken to determine the median annual income for residents of a selected region of the United States, by level of education. The given polynomial models describe the median annual income for men, M , and for women, W , who have completed x years of education. Shown in a rectangular coordinate system are the graphs of the polynomial models. Identify the median annual income for a man with 18 years of education as a point on the appropriate graph.

$$M = 224x^2 - 1266x + 20,106$$

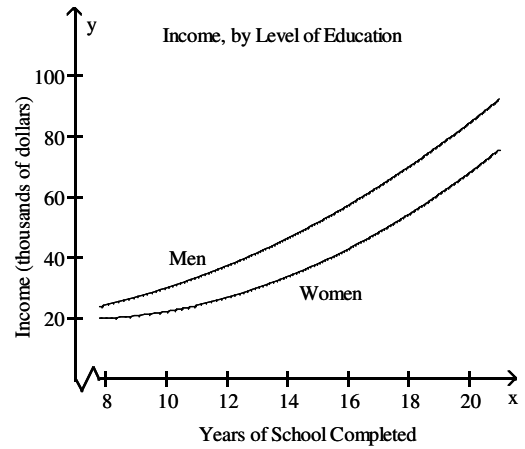
$$W = 287x^2 - 4030x + 33,761$$



- 6) A census was taken to determine the median annual income for residents of a selected region of the United States, by level of education. The given polynomial models describe the median annual income for men, M , and for women, W , who have completed x years of education. Shown in a rectangular coordinate system are the graphs of the polynomial models. Identify the median annual income for a woman with 10 years of education as a point on the appropriate graph.

$$M = 224x^2 - 1266x + 20,106$$

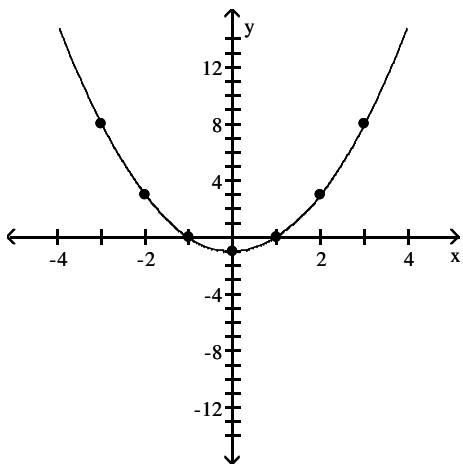
$$W = 287x^2 - 4030x + 33,761$$



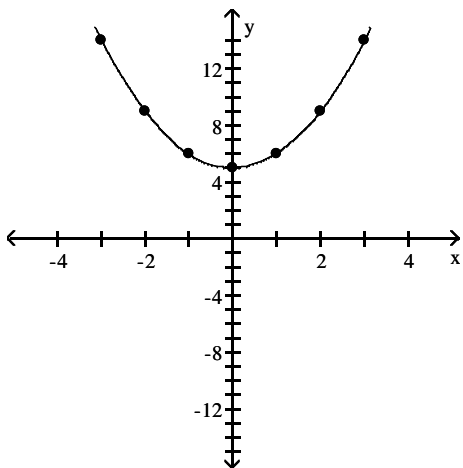
Answer Key

Testname: 06GRAPHINGPOLYNOMIALSV02

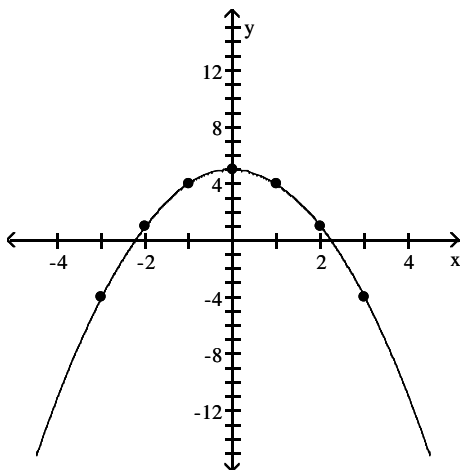
1)



2)



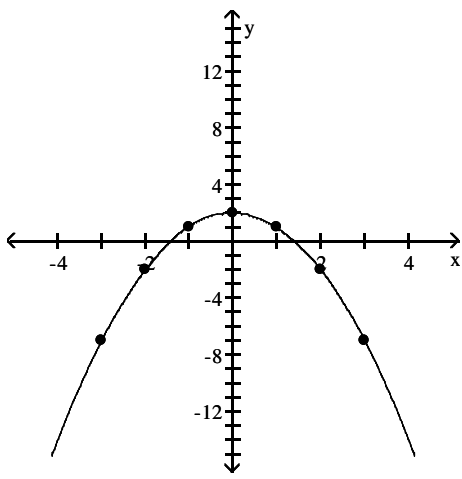
3)



Answer Key

Testname: 06GRAPHINGPOLYNOMIALSV02

4)



5) (18, 69,894)

6) (10, 22,161)