

1-10 Practice**Algebra: Equations and Functions**

Complete each function table. Then identify the domain and range.

1. $y = 5x$

x	$5x$	y
1		
2		
3		
4		

2. $y = 8x$

x	$8x$	y
1		
2		
3		
4		

3. $y = 7x$

x	$7x$	y
3		
4		
5		
6		

4. $y = x - 2$

x	$x - 2$	y
2		
3		
4		
5		

5. $y = x + 3$

x	$x + 3$	y
2		
3		
4		
5		

6. $y = x + 0.75$

x	$x + 0.75$	y
0		
1		
2		
3		

7. **PRODUCTION** A car manufacturer makes 15,000 hybrid cars a month. Using the function table, find the number of hybrid cars produced after 3, 6, 9, and 12 months.

m	$15,000m$	P
3		
6		
9		
12		

8. **SUNSPOTS** The changing activity of sunspots, which are cooler and darker areas of the sun, occur in 11-year cycles. Use the function $y = 11c$ to find the numbers of years necessary to complete 1, 2, 3, and 4 sunspot cycles.