

Assignment 3.1

Using the given tables, determine what type of function each table represents. Explain your reasoning.

1.

x	$f(x)$
1	3
2	6
3	12
4	24
5	48

2.

x	$f(x)$
1	3
2	6
3	9
4	12
5	15

3.

x	$f(x)$
1	3
2	9
3	18
4	30
5	45

4.

x	$f(x)$
1	7
2	9
3	13
4	21
5	37

5.

x	$f(x)$
1	-26
2	-19
3	0
4	37
5	98

6.

x	$f(x)$
1	-4
2	3
3	18
4	41
5	72

7. Which of these functions are not polynomials?

Refresh Your Memory

Use long division to solve each problem without a calculator. We will be using the same strategies to divide polynomials in the near future.

8. $510 \div 30$

9. $8359 \div 13$

10. $14857 \div 22$

11. $3405 \div 92$

12. From #8, is 30 a factor of 510? How can you tell?