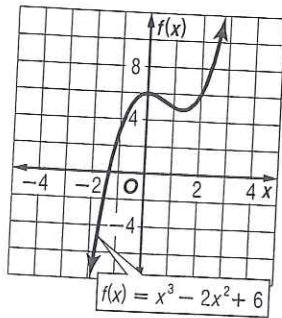


12a.

$x$	$f(x)$
-2	-10
-1	3
0	6
1	5
2	6
3	15
4	38

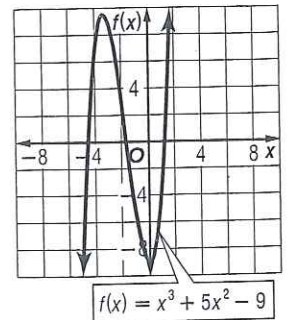


12b. between -2 and -1

12c. Sample answer: rel. max. at  $x \approx 0$ , rel. min. at  $x \approx \frac{3}{2}$

14a.

$x$	$f(x)$
-5	-9
-4	7
-3	9
-2	3
-1	-5
0	-9
1	-3
2	19

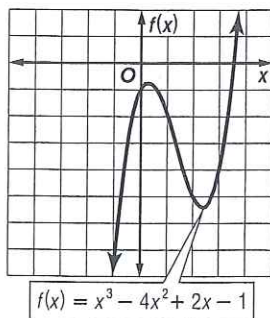


14b. between -5 and -4, between -2 and -1, and between 1 and 2

14c. Sample answer: rel. max. at  $x \approx -3$ , rel. min. at  $x \approx 0$

16a.

$x$	$f(x)$
-2	-29
-1	-8
0	-1
1	-2
2	-5
3	-4
4	7
5	34

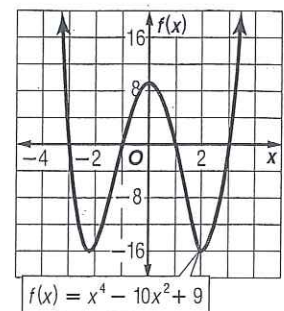


16b. between 3 and 4

16c. Sample answer: rel. max. at  $x \approx 0.5$ , rel. min. at  $x \approx 2.5$

18a.

$x$	$f(x)$
-3	0
-2	-15
-1	0
0	9
1	0
2	-15
3	0
4	105



18b. at  $x = -3$ ,  $x = -1$ ,  $x = 1$ , and  $x = 3$

18c. Sample answer: rel. max. at  $x \approx 0$ , rel. min. at  $x \approx -2$  and  $x \approx 2$