

SM2 7.4 odd answers

1. B
2. H
3. A
4. F
5. C
6. I
7. D
8. G
9. E

11. Form: standard

Direction of opening: down

Zeros: 0, 6

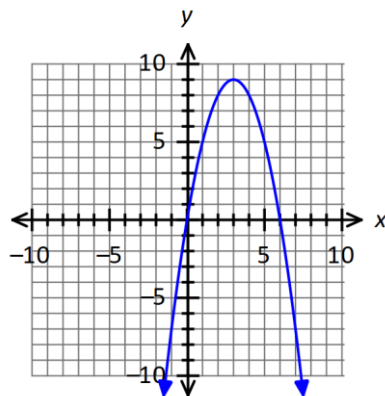
x -intercepts: (0, 0), (6, 0)

y -intercept: (0, 0)

Axis of symmetry: $x = 3$

Vertex: (3, 9)

x	$f(x)$
0	0
1	5
2	8
3	9
4	8
5	5
6	0



15. Form: vertex

Direction of opening: down

Zeros: $-3 \pm i\sqrt{2}$

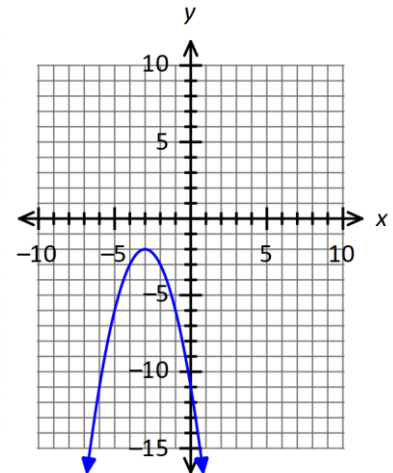
x -intercepts: none

y -intercept: (0, -11)

Axis of symmetry: $x = -3$

Vertex: (-3, -2)

x	$f(x)$
-6	-11
-5	-6
-4	-3
-3	-2
-2	-3
-1	-6
0	-11



17. B

19. C

21. A

13. Form: standard

Direction of opening: up

Zeros: 5, -2

x -intercepts: (5, 0), (-2, 0)

y -intercept: (0, -10)

Axis of symmetry: $x = 1\frac{1}{2}$

Vertex: $(1\frac{1}{2}, -12\frac{1}{4})$

x	$f(x)$
-2	0
0	-10
1.5	-12.25
3	-10
5	0

