

SM3 2.3 odd answers

1. Quadratic; vertical stretch by 2, right 3, up 5; C
3. Absolute Value; left 2, down 4; F
5. Square Root; reflect over y-axis, down 1; G
7. Cubic; vertical stretch of 4, right 3, up 5; E
9. Cubic; reflect over x-axis, right 5, up 3; D
11. Cube Root; left 7, up 2; F
13. $f(x) = -|x + 5| + 2$
15. $f(x) = (-x)^3 + 1$
17. left 2, up 1; $f(x) = \sqrt{x + 2} + 1$
19. left 2, down 1; $f(x) = |x + 2| - 1$
21. reflect over x-axis, vertical stretch of 2, up 8; $f(x) = -2x^2 + 8$

23. INCREASING	DECREASING
25. $(0, \infty)$	$(-\infty, 1)$
27. Up 1	
29. None	Reflect over y-axis, left 2, down 2
31. $[0, \infty)$	$[-2, \infty)$
33. None	$(-6, -2]$
35. $(0, 0)$	$(-2, -2)$
37. Down 2	
39. Reflect over x-axis, left 2, down 2	