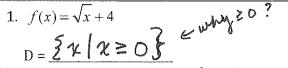
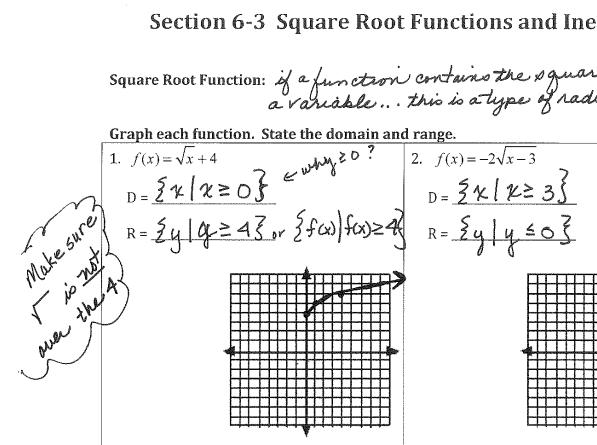
Section 6-3 Square Root Functions and Inequalities

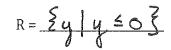
Square Root Function: if a function contains the square root of a variable... this is a type of radical function

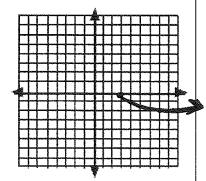




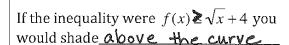
range.
2.
$$f(x) = -2\sqrt{x-3}$$
 why $x \ge 3$.

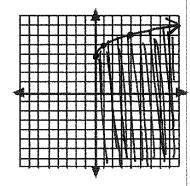
$$D = \underbrace{3 \times 1 \times 2 \times 3}_{\text{odd}}$$

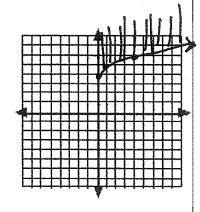




If the inequality were $f(x) \le \sqrt{x} + 4$ you would shade below the curve







Note: A square root function is half of the inverse of a ______ function.