

Finding Domain and Range algebraically.

1. $y = 2\sqrt{x+1} - 3$ Domain: Since we are not dealing with imaginary numbers, the radicand can't be negative. To find the domain we write: Radicand ≥ 0 then solve for x $x + 1 \ge 0$ \longrightarrow $X \ge -($ Range: To find the range make a table and input several values for x using the domain from above starting with -1. This result will tell you what the range is. $\frac{x}{-1} + \frac{y}{-3}$ This indicates that the range starts at -3 and INCREASES after that. $\frac{y}{-1} + \frac{y}{-3}$ $\frac{y}{-1} + \frac{z}{-3}$ $\frac{z}{-3} + \frac{z}{-3}$ You can now do Hwk #13

Practice Sheet Sec 7-8

This is the end of Chapter 7!!