

Homework

1. A marathon race was completed by 5 participants. What is the range of times given in hours below?



2.7 hr, 8.3 hr, 3.5 hr, 5.1 hr, 4.9 hr

2. Find the domain

a) $f(x) = \frac{x+3}{\sqrt{x-8}}$

b) $g(y) = \sqrt{3y-54}$

c) $y = \frac{x+1}{5x+7}$

3. Why do certain functions have domain restrictions?

4. What functions have domain restrictions?

5. How do I find the restrictions of each type of function? (fill in the blanks)

What are the steps to finding the domain of a rational function:

1. _____
2. _____
3. Write domain in interval notation

What are the steps to finding the domain of a radical function:

1. _____
2. _____
3. Write domain in interval notation