

F-IF Domains

Task

For the functions in (a)–(f),

- List the algebraic operations in order of evaluation. What restrictions does each operation place on the domain of the function?
- Give the function's domain.

a. $y = \frac{2}{x - 3}$

b. $y = \sqrt{x - 5} + 1$

c. $y = 4 - (x - 3)^2$

d. $y = \frac{7}{4 - (x - 3)^2}$

e. $y = 4 - (x - 3)^{1/2}$

f. $y = \frac{7}{4 - (x - 3)^{1/2}}$



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