

Mathematics Department
2021/2022

Name:	Domain of the function	Date
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Q1: - the domain of the function $f(x) = x^2 - 3x + 5$ is

A) $[0, \infty)$	B) $(-\infty, 0]$
C) $(-\infty, \infty)$	D) $[5, \infty)$

Q2: the domain of the function $f(x) = \frac{x^2}{x-3}$ is

A) $[0, 3)$	B) $(-\infty, 3]$
C) $(3, \infty)$	D) $(-\infty, 3) \cup (3, \infty)$

Q3: - the domain of the function $f(x) = \frac{x^2-3}{x-5}$ is

A) $[0, 5)$	B) $x \geq 5$
C) $x \leq 5$	D) $x \neq 5$

Q4: - the domain of the function $f(x) = \sqrt{x-2}$ is

A) $(-\infty, 2]$	B) $[2, \infty)$
C) $(-2, 2)$	D) $(-\infty, \infty)$

Q5: - the domain of the function $f(x) = \frac{3}{\sqrt{x-1}}$ is

A) $(-\infty, 1) \cup (1, \infty)$	B) $(-\infty, 1]$
C) $(-1, \infty)$	D) $(-\infty, \infty)$