

1.12 Confirming Continuity Over an Interval

Calculus

Name: _____

CA #2

Find the domain of each function.

1. $h(t) = \frac{\sqrt{1-t}}{t-3}$

2. $g(x) = \sqrt{5-x}$

3. $f(x) = \ln(2-7x)$

4. $h(t) = \frac{t^2-t}{5t^3-7t^2+2t}$

5. $f(x) = \ln(x-2)$

6. $v(x) = \frac{3x}{x\sqrt{x+9}}$

7. $s(t) = \sqrt[3]{3t-9}$

5. $x > 2$	6. $x > -9$ and $x \neq 0$	7. All real numbers
1. $t \leq 1$	2. $x \leq 5$	3. $x > \frac{7}{2}$
4. All reals except $t \neq 0, \frac{5}{2}$ or 1		