What are the two situations that would cause a domain to be restricted?

Numbers that cause: 1)_____

and/or 2)_____

Can zero be included in the domain of the given functions?

1. $f(x) = \sqrt{x}$ Yes No

2. $f(x) = \frac{1}{\sqrt{x}}$ Yes No

3. $f(x) = \frac{1}{\sqrt{x-1}}$ Yes No

4. $f(x) = \frac{1}{\sqrt{x}-1}$ Yes No

5. $f(x) = \frac{\sqrt{x}}{\sqrt{x+1}}$ Yes No

6. $f(x) = \frac{\sqrt{x}-1}{x}$ Yes No

7. $f(x) = \frac{\sqrt{x}}{x^2}$ Yes No

8. $f(x) = \frac{\sqrt{x}}{x^2+1}$ Yes No

9. $f(x) = \frac{x}{x^2-1}$ Yes No

10. $f(x) = \frac{1}{x^2+x}$ Yes No

For each of the functions above, is/are there any other numbers that would be excluded from the domain? If so, list them below.

1._____ 2._____ 3._____ 4._____ 5._____

6._____ 7._____ 8._____ 9._____ 10._____