

5~12. Check whether they are one-to-one.

29~30. Reflection by the line $y=x$.

53~54. Make the domain of f or f^{-1} meaningful.

58. When a becomes larger, how does the speed of recharging change?

71. The range of $\sin(x)$ is $[-1, 1]$

72. Find the difference between their domain.