

$$28. \quad g(x) = \frac{1}{|x^2 - 4|}$$

$$|x^2 - 4| \neq 0$$

$$(x - 2)(x + 2) \neq 0$$

Domain: all $x \neq \pm 2$

Domain: $(-\infty, -2) \cup (-2, 2) \cup (2, \infty)$