

Name: _____

Domain and Range

- 1) Find the domain of each of the following functions. Write the domain first as an inequality, and then express it in interval notation.

1) $f(x) = x^2 - 2x - 24$ 2) $g(x) = 3x + 5$ 3) $h(x) = x^2 - 16$

4) $f(x) = 7 - 2x$ 5) $f(x) = -\frac{3}{2}x + 6$ 6) $f(x) = \frac{2}{3}x - 4$

7) $h(x) = 3x - 5, -1 \leq x < 3$ 8) $h(x) = -2x, -3 < x \leq 2$ 9) $g(x) = |x - 3|$

10) $g(x) = |x| - 4$ 11) $f(x) = \sqrt{x - 3}$ 12) $f(x) = \sqrt{5 - x}$

13) $F(x) = x^2 - 4x$ 14) $G(x) = (x - 3)^2 + 1$