ZiloAcademy

# ✨ Grade 10 Maths — Function Notation, Domain & Range ✨

**Name:** Demo **Date:** 26/11/2026

1. If $f(x) = 3x^2 + 8x - 2$, find $f(4)$.

2. If $f(x) = 2x^2 + x + 6$, find $f(5)$.

3. If $f(x) = 3x + 4$ and $g(x) = 3x - 4$, find $f(g(-3))$.

4. If $g(x) = -3x - 1$, find $x$ when $g(x) = -13$.

5. If $g(x) = -x - 2$, find $x$ when $g(x) = -6$.

6. If $f(x) = 3x^2 - 2x + 8$, find $f(5)$.

7. If $f(x) = -2x + 1$ and $g(x) = 2x - 1$, find $f(g(3))$.

8. State the range of $y = x^2 - 1$ (format like y<=5 or y>=-1, no spaces)

9. If $f(x) = -x^2 - 6x - 4$, find $f(-5)$.

10. State the domain of $y = \sqrt{(x - 9)}$ (format like x>=-2, no spaces)