

General Form

Sheet 1

Write each quadratic function in general form.

1) $f(x) = 3(x + 2)^2 + 5$

2) $f(x) = 5\left(x - \frac{3}{4}\right)(7x + 1)$

3) $f(x) = (x - 6)^2$

4) $f(x) = 6(x + 7)^2 - 120$

5) $f(x) = \left(2x - \frac{1}{6}\right)^2 + \frac{5}{12}$

6) $f(x) = \frac{1}{3}(x - 4)^2 + 2$

7) $f(x) = -(x - 5)^2 - 1$

8) $f(x) = \frac{2}{5}(x - 1)(x + 9)$

9) $f(x) = -2\left(x - \frac{1}{7}\right)(3x - 4)$

10) $f(x) = -\frac{3}{2}(x + 3)^2 + 4$