

General Form

Sheet 2

Write each quadratic function in general form.

1) $f(x) = \left(5x + \frac{3}{5}\right)^2 - \frac{13}{5}$

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

3) $f(x) = -8(2x - 3)$

4) $f(x) = (x - 4)(x + 5)$

5) $f(x) = (9x - 3)$

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

7) $f(x) = 2(x - 3)$

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8) $f(x) = (x + 8)^2 - 7$

9) $f(x) = -(6x + 4)^2 + 27$

10) $f(x) = (5x + 10)^2 + 25$

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1) $f(x) = \left(5x + \frac{3}{5}\right)^2 - \frac{13}{5}$

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

$f(x) = 25x^2 + 6x - \frac{56}{25}$

$f(x) = x^2 + 6x + 9$

3) $f(x) = -8(2x - 3)^2$

$f(x) = (x - 4)(x + 5)$

$f(x) = -32x^2 + 96x - 72$

$f(x) = \frac{7}{8}x^2 + \frac{7}{8}x - \frac{35}{2}$

5) $f(x) = (9x - 3)^2$

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

$f(x) = 9x^2 + 54x + 9$

$f(x) = 10x^2 - 30x - \frac{25}{2}$

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

$f(x) = (x + 8)^2 - 7$

$f(x) = 2x^2 - 12x + 18$

$f(x) = \frac{1}{5}x^2 + \frac{64}{5}x + \frac{221}{5}$

9) $f(x) = -(6x + 4)^2 + 27$

10) $f(x) = (5x + 10)^2 + 25$

$f(x) = -36x^2 - 48x + 11$

$f(x) = 25x^2 + 100x + 125$

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