

## General Form

Sheet 3

Write each quadratic function in general form.

1)  $f(x) = -3\left(x - \frac{7}{2}\right)(x + 6)$

2)  $f(x) = 10(2x - 3)^2 + 20$

3)  $f(x) = 15(x +$

$)(4x - 1)(x - 5)$

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5)  $f(x) = (32x +$

$)(x - 7)^2$

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

$)(x + 3)^2 + 5$

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9)  $f(x) = \left(3x + \frac{5}{4}\right)^2 - \frac{7}{8}$

10)  $f(x) = 12(x - 6)\left(x + \frac{8}{3}\right)$

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Sheet 3

Write each quadratic function in general form.

1)  $f(x) = -3\left(x - \frac{7}{2}\right)(x + 6)$

2)  $f(x) = 10(2x - 3)^2 + 20$

$f(x) = -3x^2 - \frac{15}{2}x + 63$

$f(x) = 40x^2 - 120x + 110$

3)  $f(x) = 15(x + 2)(4x - 1)(x - 5)$

$f(x) = 15x^2 + 10x - 15$

$f(x) = 15x^2 + 10x - 15$

$f(x) = 15x^2 - 14x + \frac{10}{3}$

5)  $f(x) = (32x + 1)(x - 7)^2$

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$f(x) = 32x^2 + 14x - 49$

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7)  $f(x) = \frac{1}{5}(2x + 3)^2 + 5$

$f(x) = \frac{4}{5}x^2 + \frac{12}{5}x + \frac{19}{5}$

$f(x) = \frac{4}{5}x^2 + \frac{12}{5}x + \frac{19}{5}$

$f(x) = 4x^2 + 36x + 59$

9)  $f(x) = \left(3x + \frac{5}{4}\right)^2 - \frac{7}{8}$

10)  $f(x) = 12(x - 6)\left(x + \frac{8}{3}\right)$

$f(x) = 9x^2 + \frac{15}{2}x + \frac{11}{16}$

$f(x) = 12x^2 - 40x - 192$

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