Write each quadratic function in vertex form.

1) \( f(x) = (x - 8)(x + 2) \)

2) \( f(x) = -3x^2 + 24x - 41 \)

3) \( f(x) = 6x^2 - 12x - 13 \)

4) \( f(x) = -8(x + 1)(x - 2) \)

5) \( f(x) = 4(x - 12)(x + 7) \)

6) \( f(x) = 5x^2 + 6x - 8 \)

7) \( f(x) = 7x^2 + 28x - 25 \)

8) \( f(x) = (5x - 3)(5x - 1) \)

9) \( f(x) = 2(3x - 3)(x + 5) \)

10) \( f(x) = 2x^2 + 9x + 10 \)
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\[ f(x) = -3(x - 4)^2 + 7 \]

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4) \( f(x) = -8(x + 1)(x - 2) \)

\[ f(x) = 6(x - 1)^2 - 19 \]

\[ f(x) = -8\left(x - \frac{1}{2}\right)^2 + 18 \]

5) \( f(x) = 4(x - 12)(x + 7) \)

6) \( f(x) = 5x^2 + 6x - 8 \)

\[ f(x) = 4\left(x - \frac{5}{2}\right)^2 - 361 \]

\[ f(x) = 5\left(x + \frac{3}{5}\right)^2 - \frac{49}{5} \]

7) \( f(x) = 7x^2 + 28x - 25 \)

8) \( f(x) = (5x - 3)(5x - 1) \)

\[ f(x) = 7(x + 2)^2 - 53 \]

\[ f(x) = 25\left(x - \frac{2}{5}\right)^2 - 1 \]

9) \( f(x) = 2(3x - 3)(x + 5) \)

10) \( f(x) = 2x^2 + 9x + 10 \)

\[ f(x) = 6(x + 2)^2 - 54 \]

\[ f(x) = 2\left(x + \frac{9}{4}\right)^2 - \frac{1}{8} \]