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

$$f(3) = 2(3)^{2} - 3(3) + 4$$

$$= |8 - 9 + 4|$$

$$f(3) = 13$$

$$f(-1) = 2(-1)^{2} - 3(-4) + 4$$

$$= 32 + 12 + 4$$

$$= 48$$

$$f(x) = 3(2a^{2} - 3a + 4)$$

$$= 6a^{2} - 9a + 1/2$$

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

$$= 2(x^{2} + 4x + 4) - 3(x+2) + 4$$

$$= 2x^{2} + 8x + 8 - 3x - 6 + 4$$

$$f(x+2) = 2x^{2} + 5x + 6$$

