For each function, find a formula for its derivative. You can verify your answer by graphing f and f' on the same set of axes.

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

(b) $f(x) = x^3 - \frac{5}{x^2} + 2$

(c)
$$f(x) = 2x^{\pi} + x^{-42} - 17x$$

2. For each function in #1, find a function F(x) whose derivative is equal to f(x).

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