Question

1. Differentiate $Q(x) = x^2 - 5x + 7/2x$ with respect to x

Solution

$$(Q(x))' = (x^2 - 5x + \frac{7}{2x})' = (x^2)' - (5x)' + (\frac{7}{2}(x^{-1}))' = 2x - 5 + \frac{7}{2}(-1)x^{-2}$$

= 2x - 5 - $\frac{7}{2x^2}$
Answer: $(Q(x))' = 2x - 5 - \frac{7}{2x^2}$.

Answer provided by <u>https://www.AssignmentExpert.com</u>