Hitunglah nilai turunan berikut:

1. $y = \dfrac{x^2 - 5x + 6}{x^2 - 3x + 2}$

2. $y = (6x^2 - 2x + 7)(2x^3 - x^2 + 7x)^5$

3. $y = \ln\left(\dfrac{3x+2}{11x+7}\right)$

4. $y = 3x \cdot e^{x^2+1}$

5. $y = x^{x^x}$

6. $y = 11\sin(9^{7x-3})$