①

$F(x) = x^4 - 2x^3 - 36x + 12x + 2$

$F''(x) = 12x^2 - 12x - 72$

$x = 3, \quad x = -2$

$P_A = (-2; 134)$

$P_B = (3 - 259)$

Linje mellom:

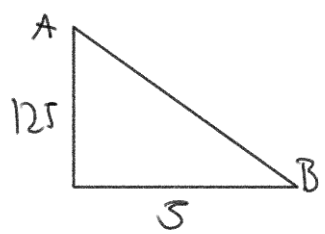
$g(x) = 25x - 184$ (Geogebra)

②

$P_C = (-5.09, -56.75)$

$P_D = (6.09, -336.25$

AB:



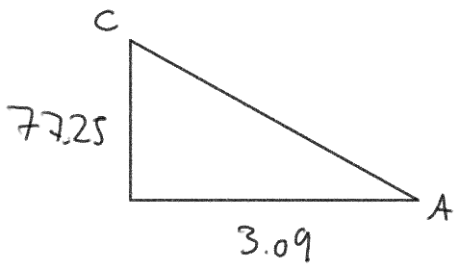
$P_B - P_A = (-2 - 3, -259 + 134)$

$-5, 125$

CA

$$P_A - P_C = (-2 + 5.09 \ , \ -134 + 56.75)$$

$$= (3.09 \ , \ -77.25$$



AB: CA

$$l_1 = \sqrt{5^2 + 125^2} \quad , \quad l_2 \quad \sqrt{3.09^2 + 77.25^2}$$

$$\frac{l_1}{l_2} = \frac{\sqrt{5^2 + 125^2}}{\sqrt{3.09^2 + 77.25^2}} \approx 1.618$$