

WAD7 $(x^2 - 100)(x^2 - 5x + 4) < 0$

$(x-10)(x+10)$

$\Delta = 25 - 16$

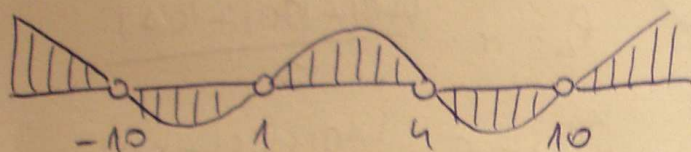
$\Delta = 9$

$\Delta = 3$

$x_3 = \frac{5-3}{2} = \frac{2}{2} = 1$

$x_4 = \frac{5+3}{2} = \frac{8}{2} = 4$

$x_1 = 10; x_2 = -10; x_3 = 1; x_4 = 4$



$x \in (-10; 1) \cup (4; 10)$

WAD8 $x^3 - 2x^2 - 5x - 2 > 0$

szukamy u podzielnikach ułamka ułamkowy (?)

pierwiastki aby podzielić wielomian konstatac
a TL. BEZOUT'A

wy $x = -1$ $(-1)^3 - 2(-1)^2 - 5(-1) - 2$

$-1 - 2 + 5 - 2 = -3 + 5 - 2 = 0$

" -1 TO PIERWIĄSTEK WIEL. UŻYJMY DZIELENIE

$(x^3 - 2x^2 - 5x - 2) : (x + 1) = x^2 - 3x - 2$

$-x^3 + x^1$

$\Delta = 9 + 4 - 2$

$\Delta = 12$

$\Delta = 12$

$x_2 = \frac{3 - \sqrt{12}}{2}$

$x_3 = \frac{3 + \sqrt{12}}{2}$

$x \in (-1; \frac{3 - \sqrt{12}}{2}) \cup$

$\cup (\frac{3 + \sqrt{12}}{2}; +\infty)$

$x_1 = -1; x_2 = \frac{3 - \sqrt{12}}{2}; x_3 = \frac{3 + \sqrt{12}}{2}$

