Биквадратные уравнения
1) $25x^4 + 66x^2 - 27 = 0$
2) $x^6 + 9x^3 + 8 = 0$

$25x^4 + 66x^2 - 27 = 0$

$y=x^2$

$25y^2 + 66y - 27 = 0;$

$D/4=D*=(b^2-4ac)/4=b^2/4-ac=(b/2)^2-ac=33^2+25*27=$
$=(3^2*11^2)+(25*3*3^2)=3^2(11^2+25*3)=3^2(121+75)=$
$=3^2*14^2; D*>0; VD*=3*14=42;$

$y1=(-b-VD)/2a=(-b/2-VD/2)/a=(-b/2-V(D/4))/a=(-b/2-VD*)/a=$
$=(-66/2-42)/25=-33-42/25=-75/25=-3;$
$y2=(-b/2+VD*)/a=(-66/2+42)/25=-33+42/25=9/25;$

$x^2=-3;$
no solutions

$x^2=9/25;$
$x^2-9/25=0;$
$(x-⅗)(x+⅗)=0;$
$x1=⅗$
$x2=-⅗$
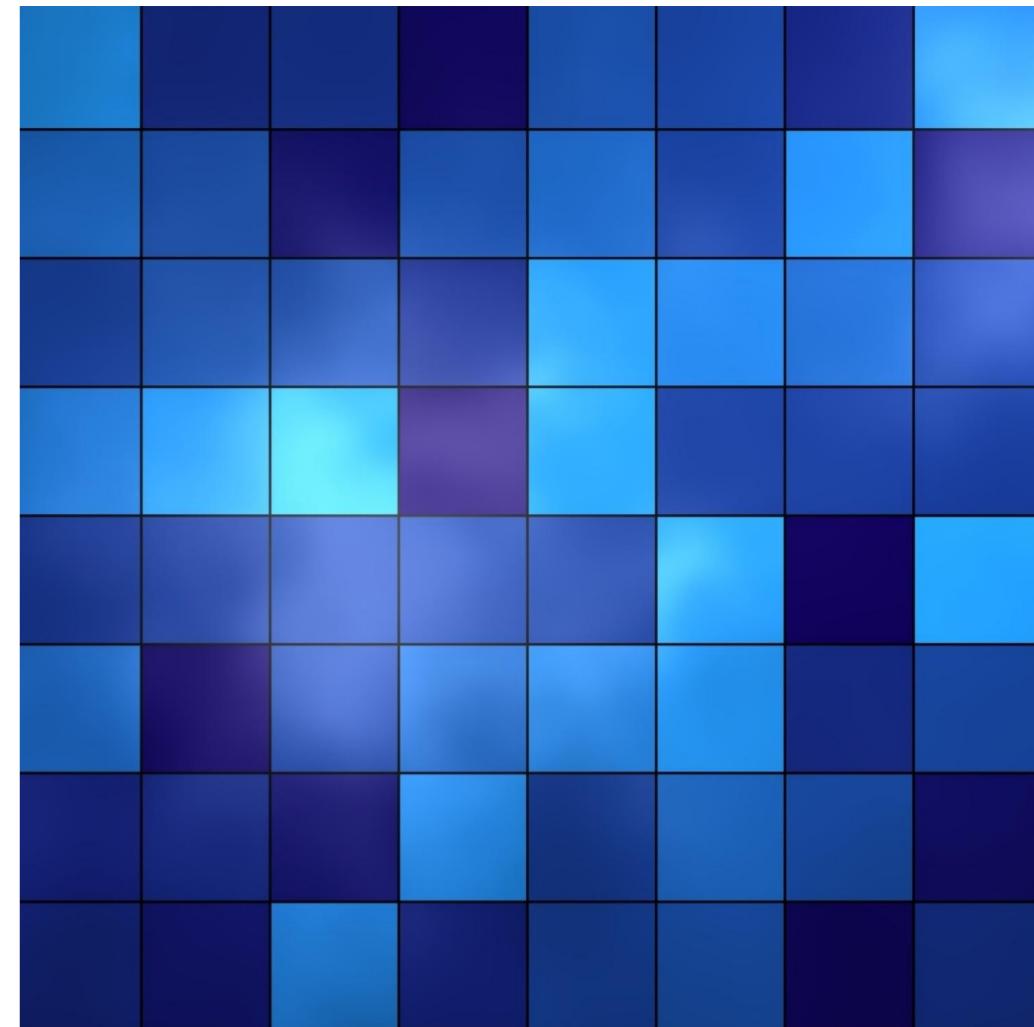
Answer: ⅗; -⅗

$x^6 + 9x^3 + 8 = 0;$
$y=x^3;$
$y^2+9y+8=0;$
$y1=-8;$
$y2=-1;$

$x^3=-8;$
$x1=-2;$

$x^3=-1;$
$x2=-1;$

Answer: -2;-1