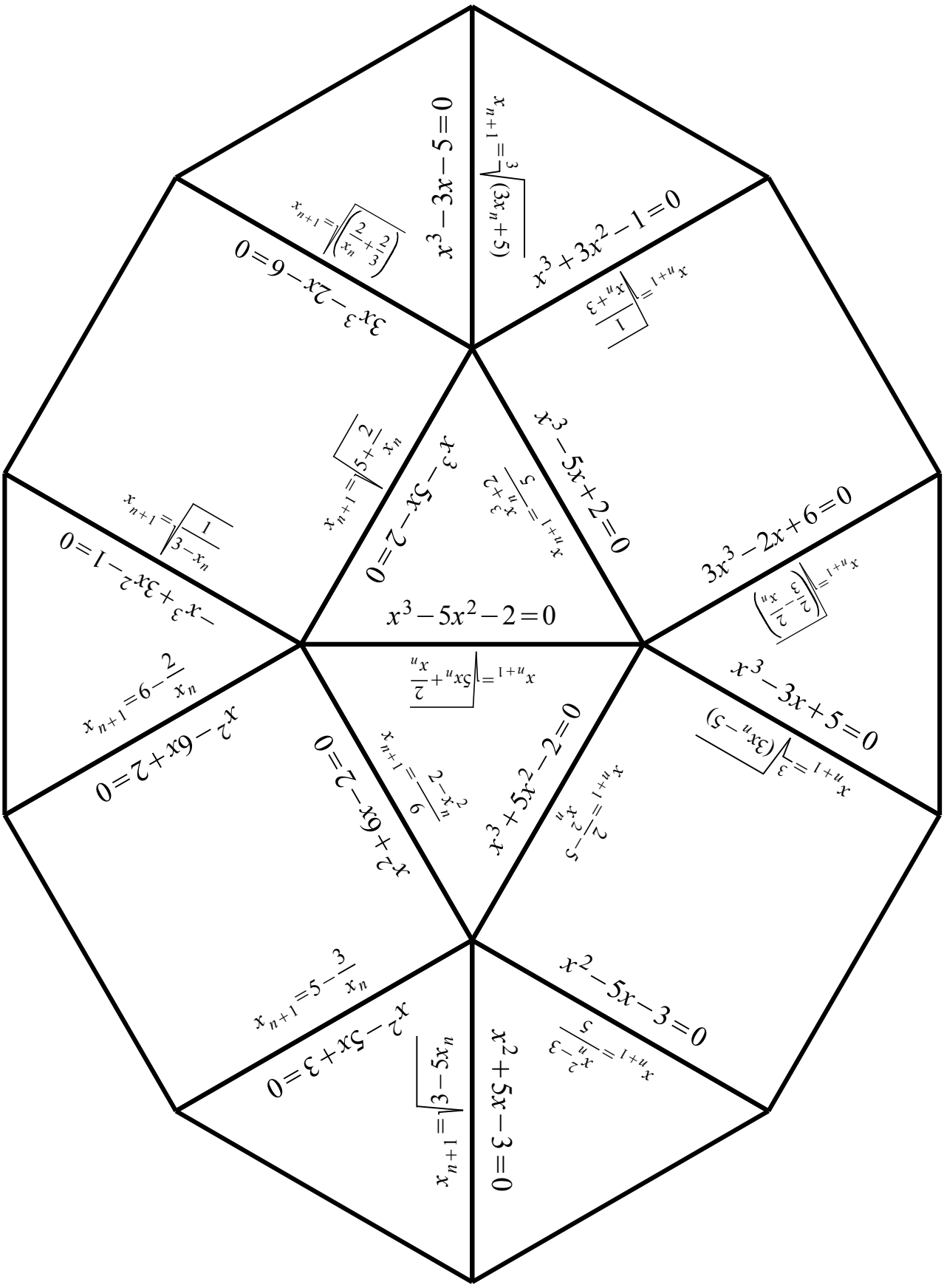

$x^3-3x-5=0$
$x_{n+1}=\sqrt[3]{(3x_n+5)}$
$x^3+3x^2-1=0$
$x_{n+1}=\sqrt{\frac{1}{x_n+3}}$
$3x^3-2x-6=0$
$x_{n+1}=\sqrt{\left(\frac{2}{x_n}+\frac{2}{3}\right)}$
$x^3-5x-2=0$
$x_{n+1}=\sqrt{5+\frac{2}{x_n}}$
$x^3-5x+2=0$
$x_{n+1}=\frac{x_n^3+2}{5}$
$3x^3-2x+6=0$
$x_{n+1}=\sqrt{\left(\frac{2}{3}-\frac{2}{x_n}\right)}$
$-x^3+3x^2-1=0$
$x_{n+1}=\sqrt{\frac{1}{3-x_n}}$
$x^3-5x^2-2=0$
$x_{n+1}=\sqrt{5x_n+\frac{2}{x_n}}$
$x^3-3x+5=0$
$x_{n+1}=\sqrt[3]{(3x_n-5)}$
$x^2-6x+2=0$
$x_{n+1}=6-\frac{2}{x_n}$
$x^2+6x-2=0$
$x_{n+1}=\frac{2-x_n^2}{6}$
$x^3+5x^2-2=0$
$x_{n+1}=\frac{2}{x_n^2}-5$
$x^2-5x+3=0$
$x_{n+1}=5-\frac{3}{x_n}$
$x^2-5x-3=0$
$x_{n+1}=\frac{x_n^2-3}{5}$
$x^2+5x-3=0$
$x_{n+1}=\sqrt{3-5x_n}$