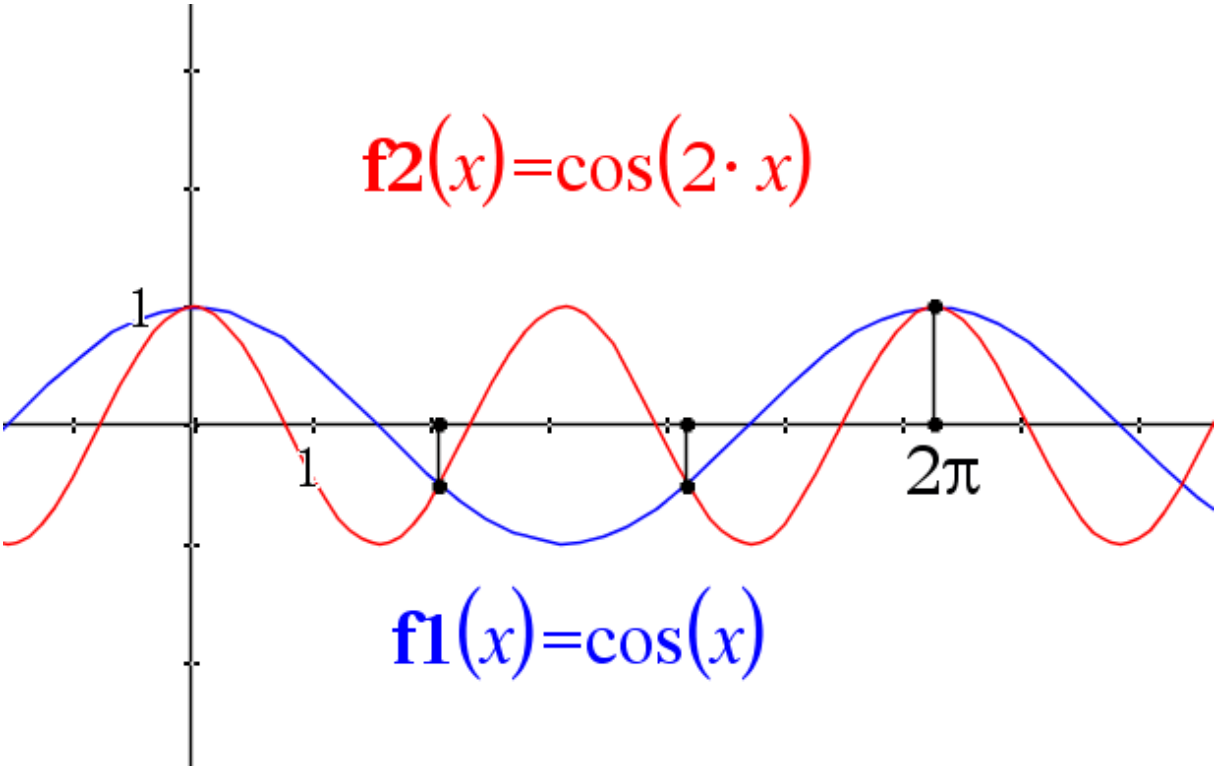

De x-waarden berekenen waar de twee grafieken elkaar snijden:

$\text{solve}(\cos(x)=\cos(2\cdot x),x)\,|\,0\le x\le 2\cdot\pi$ $\qquad x=0 \text{ or } x=\frac{2\cdot\pi}{3} \text{ or } x=\frac{4\cdot\pi}{3} \text{ or } x=2\cdot\pi$

$$\int_0^{\frac{2\cdot\pi}{3}}(\cos(x)-\cos(2\cdot x))\,dx+\int_{\frac{2\cdot\pi}{3}}^{\frac{4\cdot\pi}{3}}(\cos(2\cdot x)-\cos(x))\,dx+\int_{\frac{4\cdot\pi}{3}}^{2\cdot\pi}(\cos(x)-\cos(2\cdot x))\,dx \qquad 3\cdot\sqrt{3}$$

.