$$\int \frac{2x-8}{\sqrt{1-x-x^2}} dx = -\int \frac{8-2x}{\sqrt{1-x-x^2}} dx = -\int \frac{9-1-2x}{\sqrt{1-x-x^2}} dx =$$

$$= -9 \int \frac{dx}{\sqrt{1-x-x^2}} -\int \frac{d(1-x-x^2)}{\sqrt{1-x-x^2}} = -9 \int \frac{dx}{\sqrt{\frac{5}{4}-(x-\frac{1}{2})^2}} -2\sqrt{1-x-x^2} =$$

$$= -9 \arcsin \frac{x-\frac{1}{2}}{\frac{\sqrt{5}}{2}} -2\sqrt{1-x-x^2} + C = -9 \arcsin \frac{2x-1}{\sqrt{5}} -2\sqrt{1-x-x^2} + C$$

Thobefra.

$$\left(-9 \arcsin \frac{2 \times -1}{\sqrt{5}} - 2 \sqrt{1-x-x^2}\right)^{\frac{1}{4}} = \frac{-9}{\sqrt{1-\frac{4x^2-4x+1}{5}}} \cdot \frac{2}{\sqrt{5}} - \frac{-1-2x}{\sqrt{1-x-x^2}} =$$

$$= \frac{-9}{\sqrt{1-x-x^2}} + \frac{2x+1}{\sqrt{1-x-x^2}} = \frac{2x-1}{\sqrt{1-x-x^2}}$$