

$$f(x) := \sqrt{5 - 5x^2}$$

$$h(x) := \sqrt{4 - x^2}$$

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Trace intercept:

$$x := 0.50159$$

$$y := 1.9361$$

Differentiating f(x):

$$\frac{d}{dx}f(x) = -1.296$$

$$\theta_x := \text{atan}\left(\frac{d}{dx}f(x)\right)$$

$$\theta_x = -52.356 \text{ deg}$$

Differentiating h(x):

$$\frac{d}{dx}h(x) = -0.259$$

$$\theta_y := \text{atan}\left(\frac{d}{dx}h(x)\right)$$

$$\theta_y = -14.525 \text{ deg}$$

the angle between them is;

$$\theta := \theta_y - \theta_x$$

$$\theta := -14.525 - (-52.356)$$

$$\theta := 37.831$$

$$f(x) := \sqrt{5 - 5x^2}$$

$$h(x) := \sqrt{4 - x^2}$$

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