$f := x \to x \cdot \mathrm{sqrt}(9 - x)$

$$f := x \mapsto x\sqrt{9-x} \tag{1}$$

$fp := simplify(\mathrm{D}(f))$

$$fp := x \mapsto \sqrt{9-x} - \frac{x}{2\sqrt{9-x}} \tag{2}$$

$combine(\%)$

$$x \mapsto \sqrt{9-x} - \frac{x}{2\sqrt{9-x}} \tag{3}$$

$normal(\%)$

$$x \mapsto \sqrt{9-x} - \frac{x}{2\sqrt{9-x}} \tag{4}$$

$fpp := \mathrm{D}(fp)$

$$fpp := x \mapsto -\frac{1}{\sqrt{9-x}} - \frac{x}{4\,(9-x)^{3/2}} \tag{5}$$

$solve(fp(x) = 0)$

$$6 \tag{6}$$

$solve(fpp(x) = 0)$

$$12 \tag{7}$$

$evalf\left(\frac{(-8 - \mathrm{sqrt}(70))}{6}\right)$

$$-2.727766711 \tag{8}$$

$evalf\left(\frac{(-8 + \mathrm{sqrt}(70))}{6}\right)$

$$0.061100045 \tag{9}$$

$\frac{\arcsin(\%) \cdot 180}{\mathrm{Pi}}$

$$3.502956564 \tag{10}$$