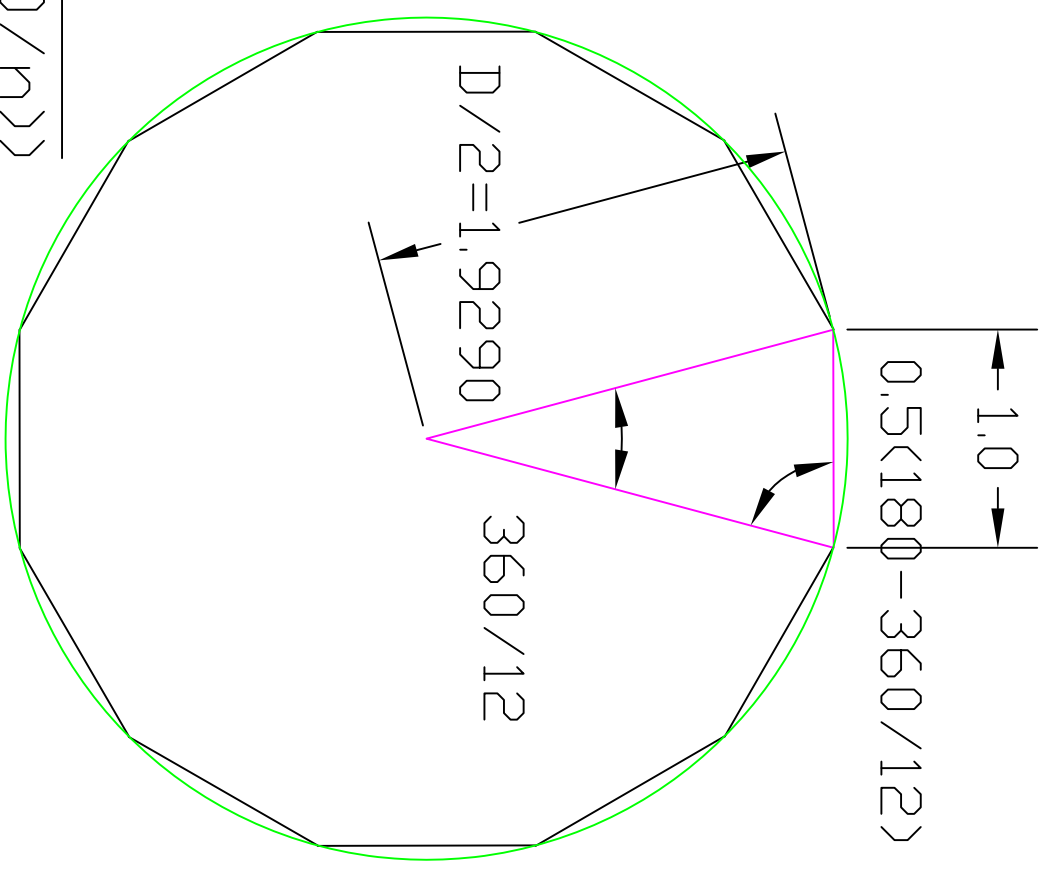


Applying law of sines to isosceles triangle:

$$\frac{1.0}{\sin(360/n)} = \frac{D/2}{\sin(0.5(180 - 360/n))}$$



$$D = 2(\sin(0.5(180 - 360/n))) / \sin(360/n)$$