(a) Find an integral for the aren bounded by the cerdiside
$$r = 9 + 4 \sin \theta$$
.

A=\frac{1}{2}\int \left(4 + 4 \sin \theta\right)^2 d\theta}

A=\frac{1}{2}\int \left(6 + 3 \frac{1}{2}\sin \theta\right) d\theta}

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A=\frac{1}{2}\int \left(6 + 3 \frac{1}{2}\sin \theta\right) d\theta}

A=\frac{1}{2}