

$$\int 5 \sin(2x) dx$$

RISOLVO PER SOSTITUZIONE:

$$2x = t$$

$$2 dx = dt \Rightarrow dx = \frac{dt}{2}$$

$$\int 5 \sin(t) \frac{dt}{2} = \frac{5}{2} \int \sin t dt = -\frac{5}{2} \cos t + c$$

QUINDI

$$-\frac{5}{2} \cos(2x) + c$$