Complex Numbers

Using the result shown; evaluate the indefinite 4pts integrals

$$= I(t) = \int_{0}^{t} \frac{dt}{dt} = \frac{dt}{dt}$$

a) == 160 (2 tun /3) (12+i4)2=128+i96.

b)
$$z_1/z_2 = \frac{\sqrt{160^7 \text{ Lto}} \cdot 1/2}{65 \cdot 15 \cdot 100} = \frac{\sqrt{160^7 \text{ Lto}} \cdot 1/4}{65} = \frac{\sqrt{$$

e) 210 = (160)5 110 tan 1/3

If
$$= \int e^{-z} \cos z \, dz$$
.

$$= \int Re \left\{ e^{-z+3z} \right\} \, dz$$
.

$$= Re \left\{ -\frac{1}{1+3} \right\} + \left[e^{-z+3} \right] + \left[e^{$$