

$$\boxed{37} \quad Z = \frac{V}{I} = \frac{50 + 98i}{8 + 5i} = \frac{50 + 98i}{8 + 5i} \cdot \frac{8 - 5i}{8 - 5i} = \frac{400 - 250i + 784i - 490i^2}{64 - 25i^2} = \frac{890 + 534i}{89} = 10 + 6i$$