Solution to practice quiz 5

$$2A = 10 + \frac{2}{i\omega}$$

$$A = 10 - i2$$
 W
 $B = A = 10 + i2$

Pablen 2

You could also do it with trig identities

$$X = A\cos(\omega t + \varphi)$$
 \Rightarrow $X(0) = A\cos(\omega t - \varphi) = 10$
 $\dot{X} = -A\omega\sin(\omega t + \varphi)$ $\dot{X}(0) = -A\omega\sin(\varphi) = 2$

Hander to solve.

$$E(\omega) = \frac{1}{2}KA$$

$$\frac{-2}{E(+)} = 0.5 + key egn.$$

$$E(6)$$

Problem 3. This one is frusal You do it.

Problem 4. The CM of the gholer will advace as vove!

Von = \frac{2 \ K \ X \ D the With this You set the