Special Problem 6.F-2
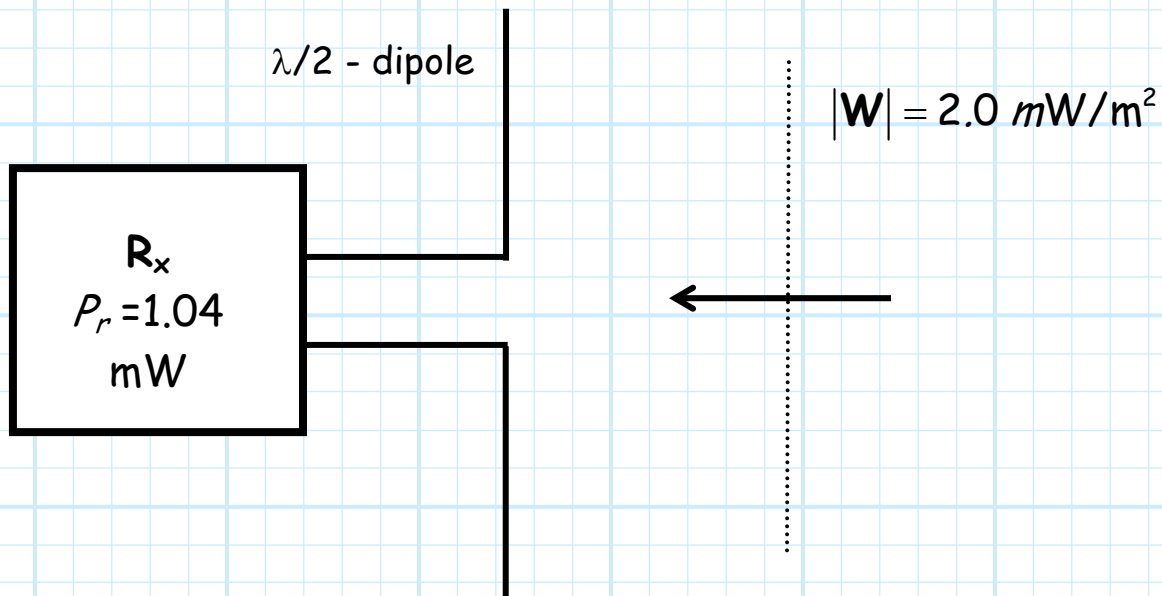
A plane wave with power density $|\mathbf{W}| = 2.0$ mW/m^2 is incident on receiver using a $\lambda/2$ dipole.

The received power is 1.04 mWatts.

$\lambda/2$ - dipole

$|\mathbf{W}| = 2.0\ m\text{W/m}^2$

R$_x$

$P_r = 1.04$ mW

Determine the length of the dipole in **meters**