## Lecture 15 Problems Problemil

Pis 
$$4x + \alpha n$$
 equals

$$\begin{cases}
1 \\
1
\end{cases}$$

$$\begin{cases}
6 \\
6
\end{cases}$$

$$\begin{cases}
1 \\
2
\end{cases}$$

For 
$$\rho^2 = \rho$$
, we have by foll:  
 $(I - \rho)^2 = I^2 + \rho^2 - 2I\rho$   
 $= I + \rho - 2\rho$   
 $= I - \rho$ .