and the input resistance equal to 10 ks.

For an inverting amplifier,

$$gain = -\frac{R_f}{R_I}$$

.. Rf = gain x Ri

= 10x 10kn

= 100 k 2.

a) Deg Design a non inverting amplifier with gain 9.

for non inverting amp,

$$\frac{Rf}{R_1} = 9-1 = 8-$$