3.55
K3

$p(-2)=0 = 16-8a+4b-64+c \rightarrow \boxed{48=-8a+4b+c}$ (1)

$p'(-2)=0$

$p'(x) = 4x^3+3ax^2+2bx+32$

$p'(-2)=0 = -32+12a-4b+32$

$\boxed{b=3a}$

$p(-1)=1=1-a+b-32+c$

$\boxed{c=32-2a}$

$48=-8a+12a+32-2a$ (1) -> p.3)

$a=8, \quad b=24, \quad c=16$