1 Consider the expression obtained in the first half of page 151 of the lecture notes:

$$M \frac{\partial}{\partial M} G^4 = \frac{3 i \lambda^2}{(4 \pi)^2} \prod_{i=1}^{4} \frac{i}{p_i^2}$$

Show that we could obtain the exact same expression in the MS-bar scheme, just taking $\mu^2 = M^2$