

Questions 4 – 5: Solve for x [4pts each]

4. $\ln(4) + \ln(6x) = \ln(48)$

$$\begin{array}{r} e \quad e \quad e \\ 4 + 6x = 48 \\ -4 \quad -4 \end{array}$$

$$6x = 44$$

$$x = 7.4$$

Questions 6 – 7: [5pts each]

6. Find the equation of the polynomial with roots $(-3, 0)$, $(-1, 0)$, and $(4, 0)$