

4.7  
p. 2

$$p(-1) = 0 = a - 2 + b \rightarrow a = 2 - b$$

$$p'(x) = 6ax^5 + 4bx^4$$

$$p'(-1) = -6a + 4b = 0 \rightarrow a = \frac{2}{3}, b = \frac{1}{3}$$