The factorization below is missing two positive integers  $\boldsymbol{a}$  and  $\boldsymbol{b}$ .

$$5x^4 + 40x^3 - 100x^2 = 5x^2(x - a)(x + b)$$

Factor the polynomial and then supply the value of  $\boldsymbol{a}$ .

(Do not include the minus sign.)