

### Extra problems for Chapter 1 review

A. Solve  $x^3 - 7x + 6 = 0$  for  $x$ .

B. Find all solutions  $x$  to the equation  $3 \sin(5x) - 4 \cos(5x) = 0$ .

C. Solve  $\frac{(x+2)(2x) - (x^2 - 1)}{(x+2)^2} = 0$  for  $x$ .

D. Solve  $(9x^2 - 1)e^{3x^3 - x} = 0$  for  $x$ .