8th April

Solve

\[ \frac{3}{x + 1} = \frac{5 - 2x}{x - 1} \]

Sketch \( y = \sin x \)

Sketch \( y = \cos x \)

Evaluate

\[ 81^{-\frac{3}{4}} \]

Simplify

\[ (16x^8)^{\frac{3}{4}} \]

ABC is an isosceles triangle in which \( AC = BC \).
D and E are points on BC and AC such that CE = CD.
Prove triangles ACD and BCE are congruent.