Class Discussion

Unit 5 Topic 1 Part 2 Use identities

Ex1: simplify the following expressions

(a) $\dfrac{1}{1+\cos x} + \dfrac{1}{1-\cos x}$

(b) $\dfrac{1+\csc x}{\cot x + \cos x}$

Ex2: Rewrite the following expressions so that it is a trigonometric function

(a) $\sqrt{3x^2 - 4}$

(b) $\dfrac{6}{5x^2 + 1}$

(c) $\dfrac{1}{x^2 + 16}$

(d) $\dfrac{3x}{\sqrt{9x^2 - 25}}$