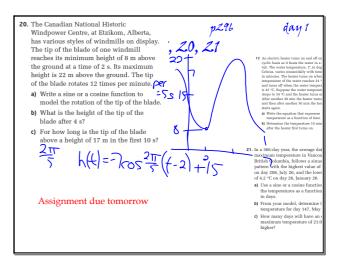
Trig Identities (6.1)

fight or flight

men z women

Cameron z Sarah

Judith z left turn



Trig Identities (6.1)

p2.96

day 1

ex1: Solve $1-\cos^2 x = 3\sin x - 2$ $0 = \cos^2 x + 3\sin x - 3$

we don't know how to do this

we need some new strategies for solving equations

we'll need to make some substitutions

let's have a look see how trig identities can help us

Trig Identities (6.1)

ex2: Solve
$$x^{2} = \frac{4x+6}{2} - 3^{2}$$

$$4x = 4x+6 - C$$

$$53666300$$
Some equations are always true for all values in the domain.

These are called identities.

Trig Identities (6.1)

ex3: Prove that
$$\tan \theta = \frac{\sin \theta}{\cos \theta}$$
 is an identity.

$$C = \frac{1}{x}$$

