Trig Equations

Question 1

Give the general solution of:

$$-3\cos(2x + 10°) = 1$$

Question 2

Solve for x **if** $x \in [-180°; 180°]$

$$\cos(3x) = \sin(3x)$$

Question 3

Give the general solution of:

$$-\sin(2x + 30°) = \cos(4x - 10°)$$