LAST NAME	FIRST NAME	DATE

1 (4 points). Solve the equation.

$$13 - 5\tan^2(x) = -2$$

Solution set:

Solution(s) in $[0, 2\pi]$:

2 (4 points). Solve the equation.

$$2\sin^2\theta + 3\sin\theta = -1$$

Solution set:

Solution(s) in $[0, 2\pi]$:

2

3 (4 points). Solve the equation.

$$\frac{5}{7}\tan(\pi x) + 11 = 11$$

Solution set:

4 (4 points). Solve the equation.

$$14\cos^2(\alpha/5) = 7$$

Solution set: