

MODULE 10**SOLVING
TRIGONOMETRIC EQUATIONS**

Name: _____ Points: _____

Exercise 1. Solve for x .

(a) $\tan(x) = -\sqrt{3}$

(b) $\sin(x) = -\frac{\sqrt{3}}{2}$

(c) $\csc(x) = 2$

(d) $2 \cos(x) + 1 = 0$

(e) $\cos^2(x) - 1 = 0$

(f) $\sin^2(x) + 3 \sin(x) + 2 = 0$

(g) $4 \cos^2(x) - 3 = 0$

(h) $2 \sin^2(x) + 7 \sin(x) + 3 = 0$

(i) $3 \tan^2(x) - 4\sqrt{3} \tan(x) + 3 = 0$