

MTH 30 LECTURE NOTES (Ojakian)

Topic 24: Trig Equations

OUTLINE

(References: 7.5)

1. Trig Equations

- (a) Isolate the trig function (or use algebra as if trig function is a variable)
- (b) In harder cases, may also need some trig identities
- (c) Find all terminal sides that work (take these angles)
- (d) If needed get other solutions by adding any amount of 2π .
- (e) Solve $\sin(x) = 1$ on the interval $[0, 2\pi)$
- (f) Exercises Section 7.5: 4 - 9, 19 - 25