

Bridge Homework and Solutions from Algebra 2 to Trigonometry/Pre-Calculus AB

- The following assignments are taken from: Holt McDougal Algebra 2 (HMH Fuse Algebra 2) – Common Core App Edition
- Students should watch the videos found in the book for each section before attempting the assignments.

Chapter Section/Concept/Assignment and Solutions

1. Chapter 12.5 → Parabolas (focus and directrix)
Do Problems: **12.5** #18 – 36m3, 37; **12.6** #22, 26, 30
2. Chapter 10.5 → Law of Sines
Do Problems: **10.5** #15 – 30m3, 32, 34, 38
3. Chapter 10.6 → Law of Cosines and Heron's Formula
Do Problems: **10.6** #9 – 21m3, 27 – 33 odd
4. Chapter 11.1 → Graphs of Sine and Cosine
Do Problems: **11.1a** #12 – 18, 24, 33, 35 **11.1b** #19-23, 25, 27, 34, 36
5. Chapter 11.2 → Graphs of other Trig Functions
Do Problems: **11.2a** #10, 12, 13, 21 **11.2b** #11, 27, 29, 31

Please Note: Practicing ALEKs over the summer is a great way to keep algebra skills sharp. The Trig/Pre-Calc AB class prerequisites assume students walk into the school year with strong Algebra 2 skills, which means there is no Algebra 2 review at the beginning of the semester.