UNIT 4 – Chapter 6: Additional Topics in Trigonometry,
Chapter 7: Linear Systems & Matrices,
& Chapter 10: Analytic Geometry in Three Dimensions

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
January 8 **Welcome Back Warm–up** **HW:** Copy the 6.1 Notes	Jan 9 — Jan 10 **6.1** Law of Sines **& 6.2** Law of Cosines **HW 6.1a (Pg. 412)** #9, 17, 23, 25, 29, 31, 35, 39, 41 **& 6.2a (Pg. 419)** #5, 9, 11, 13, 19, 31, 33, 35		Jan 11 — Jan 12 **6.1–6.2** Applications of Law of Sines & Cosines **HW 6.1b (Pg. 412)** #44, 46, 48, **& 6.2b (Pg. 419)** #45, 46, 49; & Stoplight Reflection	
Jan 15 **No School** MLK Jr. Day	Jan 16 — Jan 17 **Quiz on 6.1–6.2** & Notebook Check – – – – – – – – – – – **7.1 & 7.2** Solving Systems of Equations **HW 7.1 (Pg. 484)** #19, 33, 45, 51, 65; **& HW 7.2 (Pg. 493)** #13, 19, 21, 39, 43, 45, 77		Jan 18 — Jan 19 **7.3** Multivariable Linear Systems **HW 7.3 (Pg. 507)** #11, 15, 21, 23, 33, 49, 51, 53, 61, 79, 84, 89	
Jan 22 **7.4** Matrices & Systems of Equations **HW 7.4a (Pg. 521)** #9, 11, 13, 17, 19, 21, 23, 26, 27, 29, 37	Jan 23 — Jan 24 **7.4** Matrices & Systems of Equations **HW 7.4b (Pg. 521)** #39, 41, 43, 45, 47, 49, 51, 53, 55, 61, 67, 71, 96; & Stoplight Reflection		Jan 25 — Jan 26 **Quiz on 7.3–7.4** & Notebook Check	
Jan 29 **7.5** Operations with Matrices **HW 7.5a (Pg. 536)** #9, 11, 13, 17, 19, 21, 26, 28, 30, 33	Jan 30 — Jan 31 **7.5** Operations with Matrices **HW 7.5b (Pg. 536)** #37, 39, 44, 45, 50, 53, 55, 57, 73, 77, 79, 94, 101, 103, 105, 107, 111		February 1 — Feb 2 **7.6** Inverse of a Square Matrix **HW 7.6 (Pg. 547)** #5, 9, 11, 13, 19, 23, 29, 33, 37, 39, 41, 47, 55, 57, 63; & Stoplight Reflection	
Feb 5 **Quiz on 7.5–7.6** & Notebook Check	Feb 6 — Feb 7 **6.3** Vectors in the Plane **HW 6.3 (Pg. 431)** #17, 23, 24, 25, 27, 31, 33, 35, 39, 45, 47, 56, 57, 59, 63, 65, 67, 77, 81, 83		Feb 8 — Feb 9 **10.1** Three-Dimensional Coordinate System **HW 10.1 (Pg. 726)** #9, 11, 13, 15, 19, 21, 23, 31, 39, 41, 47, 48, 52, 53	
Feb 12 **6.4** Vectors & Dot Products **HW 6.4 (Pg. 442)** #7, 9, 12, 13, 17, 19, 23, 27, 31, 39, 45, 47, 49, 65	Feb 13 — Feb 14 **10.2** Vectors in Space **HW 10.2 (Pg. 734)** #11, 13, 17, 19, 23, 29, 31, 37, 39, 41, 43, 45, 47, 49, 51, 52, 55, 59, 61, 65		Feb 15 — Feb 16 **Quiz on 6.3–6.4 & 10.1–10.2** & Notebook Check	
Feb 19	Feb 20	Feb 21	Feb 22	Feb 23
		No School – Winter Break		
Feb 26 **7.7** Determinant of a Square Matrix **HW 7.7 (Pg. 554)** #5, 7, 9, 11, 19, 21, 29, 31, 41, 445, 57	Feb 27 — Feb 28 **10.3** Cross Product of Two Vectors **HW 10.3 (Pg. 741)** #7, 9, 15, 21, 33, 35, 37, 39, 41, 45, 47, 51, 53, 55, 57, 59, 63		Feb 29 — March 1 **7.8** Applications of Matrices & Determinants **HW 7.8 (Pg. 566)** #3, 5, 9, 11, 13, 24, 25, 27, 29, 35, 37, 38, 40; & Stoplight Reflection	
Mar 4 *Unit Review*	Mar 5 — Mar 6 *Unit Review*		Mar 7 — Mar 8 **Unit 4 Test** & Notebook Check	