Unit 6 – Equations of Lines and Planes

G3: distinguish between the geometric representations of a single linear equation or a system of two linear equations in two-space and three-space, and determine different geometric configurations of lines and planes in three-space;

G4: represent lines and planes using scalar, vector, and parametric equations, and solve problems involving distances and intersections.

Lesson	Topic	Homework
6.1	Vector and Parametric Equations of a Line in R^2	p. 433 #1,2,5-8,10-13
6.2	Cartesian Equation of a Line	p. 443 #1,3-9,10acf,11,12,14
6.3	Vector and Parametric Equations of a Line in R^3	p. 449 #1ace,2ace,3b,4b,5,8,10ab,13
6.4	Vector and Parametric Equations of a Plane	p. 459 #1,2,5,6,7,9,10,14,15
6.5	The Cartesian Equation of a Plane	p. 468 #1,3-5,7,8,11,12,13b,15
	Review	p. 480

Test Date:_____