PARK CITY HIGH SCHOOL

Standards-Based Education
Priority Standards

Math 1060

PS 1 Students will give the right triangle definition of the trigonometric functions (UVU Syllabus).

PS 2 Students will solve trigonometric equations (UVU Syllabus).

PS 3 Students will evaluate the trigonometric functions without a calculator at multiples of the references angles p/6, p/4, p/3, and p/2 (UVU Syllabus).

PS 4 Students will graph trigonometric functions including phase shifts, amplitudes, and periods (UVU Syllabus).

PS 5 Students will prove trigonometric identities; use trigonometric identities to simplify trigonometric expressions (UVU Syllabus).

PS 6 Students will use the Law of Sines and Cosines to solve application problems (UVU Syllabus).

PS 7 Students will write the trigonometric form of complex numbers and use De Moivre's Theorem (UVU Syllabus).

PS 8 Students will describe the construction of the inverse trigonometric functions, describe their domains and ranges, and know how to use a calculator to solve for angles using inverse trigonometric functions (UVU Syllabus).

PS 9 Students will graph Conic Sections; parabolas, ellipses, and hyperbolas (UVU Syllabus).

PS 10 Students will carry out conversions between polar and rectangular coordinates; write the polar equations of conics (UVU Syllabus).