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| Course: | Precalculus, Accelerated |
| Score 4 | In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught. |
| Score 3 | The student will:   |  | | --- | | * Derive the equation of a parabola given a focus and directrix (HSG-GPE.A.2) * Derive the equation of a circle of given center and radius using the Pythagorean Theorem (HSG-GPE.A.2); * Derive the equation of an ellipse given information (center, foci, length of major or minor axis) (HSG-GPE.A.2) * Derive the equation of a hyperbola given information (center, foci, directrix, eccentricity) (HSG-GPE.A.2) | |
| Score 2 | The student will recognize or recall specific vocabulary, such as:  Eccentricity, directrix, focus points, minor and major axes    The student will perform basic processes, such as:   |  | | --- | | * Complete the square to find the center and radius of a circle given by an equation (HSG-GPE.A.1)   1. Use completing the square to identify a conic section on an equation in standard form | |
| Score 1 | With help, partial success at score 2.0 content and score 3.0 content |
| Score 0 | Even with help, no success |