8 University of the State of New York. 28th Advanced Academic Examination. PLANE GEOMETRY. June, 1887-Time three hours only.

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36 credits, necessary to pass, 27.

5. Prove that if two angles have their sides parallel, and lying either in the same, or in opposite directions, they will be equal. 2

11. Make and explain the following constructions :

(a) To draw the circumference of a circle through three points not in the same straight line...... 2

(b) Given the base, the altitude, and an angle at the base, of a

triangle, to construct the triangle...... 2

(c) To construct a square equivalent to the sum of two

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