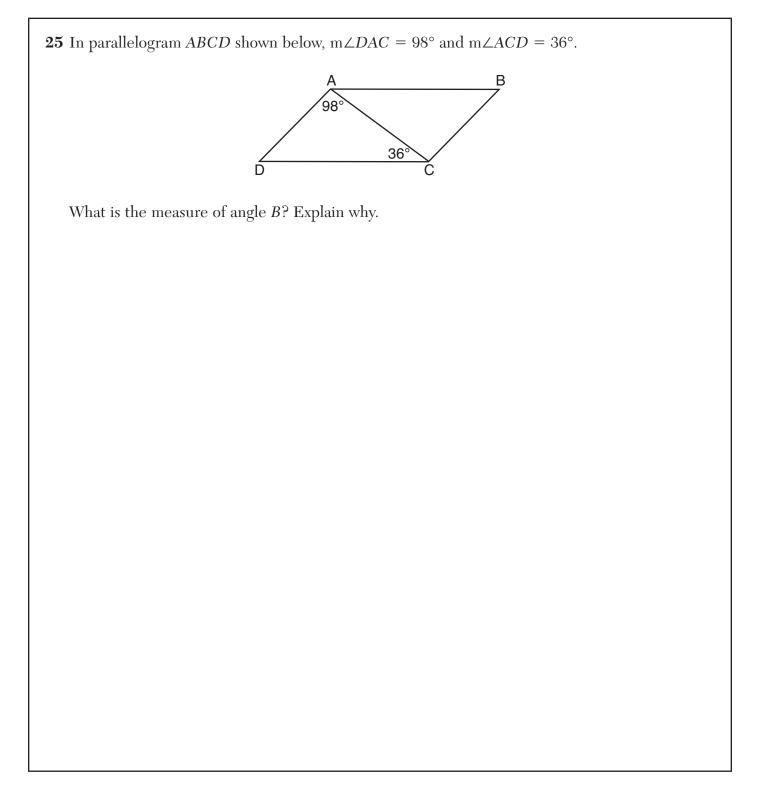
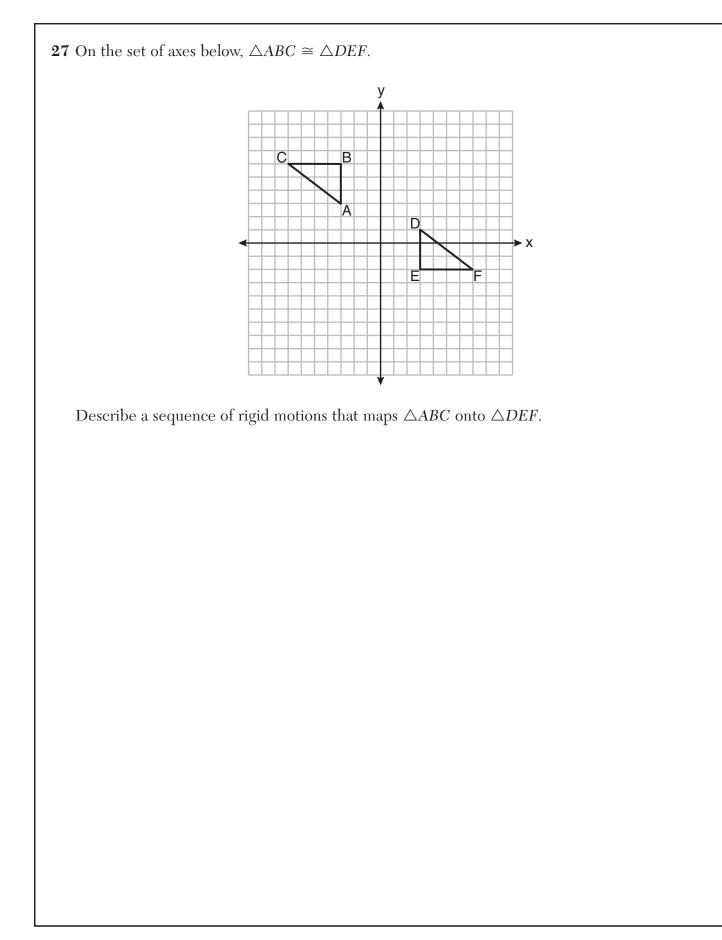
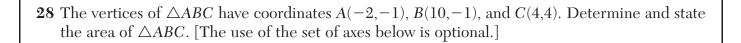
Part II

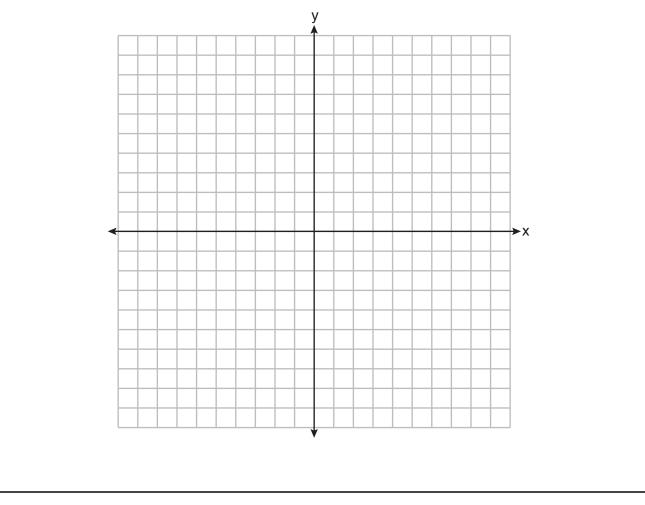
Answer all 7 questions in this part. Each correct answer will receive 2 credits. Clearly indicate the necessary steps, including appropriate formula substitutions, diagrams, graphs, charts, etc. Utilize the information provided for each question to determine your answer. Note that diagrams are not necessarily drawn to scale. For all questions in this part, a correct numerical answer with no work shown will receive only 1 credit. All answers should be written in pen, except for graphs and drawings, which should be done in pencil. [14]

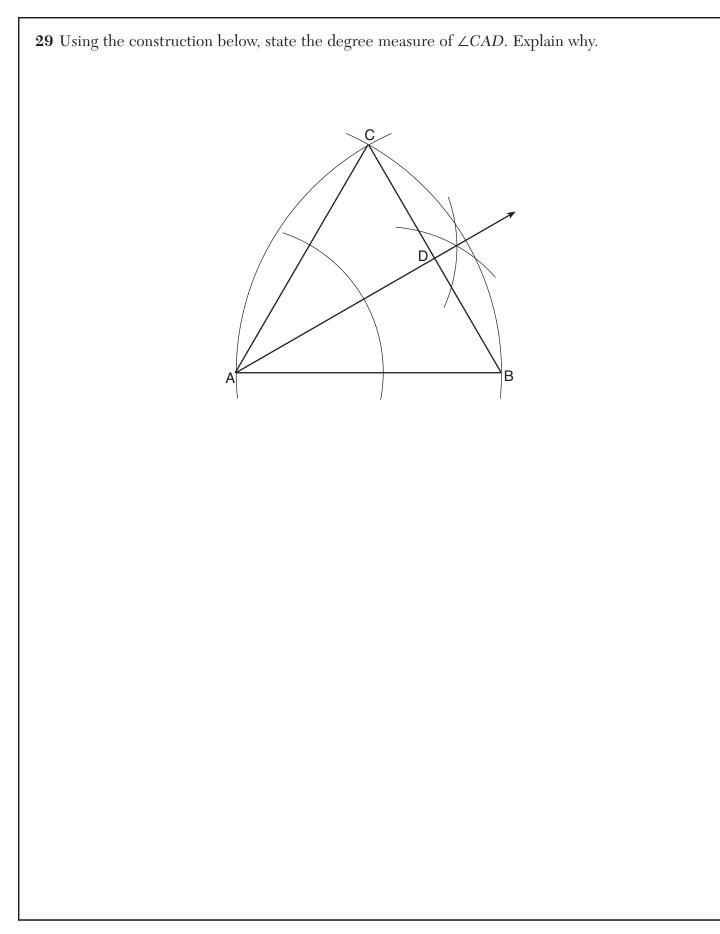


26 An airplane took off at a constant angle of elevation. After the plane traveled for 25 miles, it reached an altitude of 5 miles, as modeled below. 25 miles 5 miles To the *nearest tenth of a degree*, what was the angle of elevation? [13] [OVER] Geometry - Aug. '19

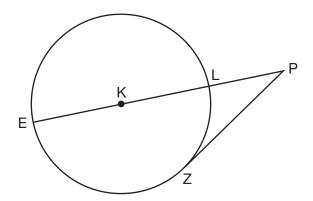








30 In the diagram below of circle *K*, secant \overline{PLKE} and tangent \overline{PZ} are drawn from external point *P*.



If $\widehat{mLZ} = 56^{\circ}$, determine and state the degree measure of angle *P*.