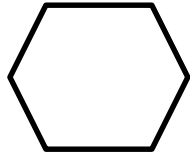
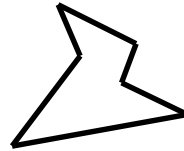


## Possible Solutions

- a) Draw a polygon with more than five sides. What polygons could you draw?  
Pentagon (5 sides), Hexagon (6 sides), Heptagon (7 sides), Octagon (8 sides), Nonagon (9 sides), Decagon (10 sides), Undecagon/Hendecagon/Endecagon (11 sides), or Dodecagon (12 sides)
- b) Draw a two-dimensional shape with at least 3 sides and 3 vertices. What polygons could you draw?  
Triangle (3 sides with 3 vertices), Square (4 squares with 4 vertices), Rectangle (4 sides with 4 vertices), Rhombus (4 sides with 4 vertices), Trapezoid (4 sides with 4 vertices), Quadrilateral (4 sides with 4 vertices), Pentagon (5 sides with 5 vertices), Hexagon (6 sides with 6 vertices), Heptagon (7 sides with 7 vertices), Octagon (8 sides with 8 vertices), Nonagon (9 sides with 9 vertices), Decagon (10 sides with 10 vertices), Undecagon/Hendecagon/Endecagon (11 sides with 11 vertices), or Dodecagon (12 sides with 12 vertices)
- c) Victoria and William were asked to draw a hexagon. Victoria believes that only her drawing is correct. Explain why both shapes are hexagons.



Victoria's Hexagon



William's Hexagon

They are both hexagons because both shapes have 6 sides and 6 vertices.