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7.8 Geometric Patterns

North Carolina likes to test your knowledge of geometric shapes and figures by making you identify a pattern. This way they can test your knowledge about many aspects of geometric figures in one question. The pattern can be based on shape, color, size, position, or number. Before you can discover the missing figure in a pattern, you first have to recognize a relationship among the figures. As with pattern problems involving numbers, **a table** is often the best way to organize your thoughts and approach.







The pattern above appears to be a pattern of ascending number of sides. Obviously the missing figure is a pentagon.









The pattern above appears to be a pattern of rotation. Can you draw the missing figure?









What does the pattern above appear to be?









Draw the missing figure in the pattern above then identify which of the standard pattern practices was used to identify the relationship.