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Using this book, you can explore ways to create hinged collections of pieces that swing together to form a figure. Swing them another way and they form another figure! The profuse illustrations and lively text will show you how to find a wealth of hinged dissections for all kinds of polygons, stars and crosses, curved and even three-dimensional figures. For an added challenge, you can try using different kinds of hinges for twisting and flipping pieces. The author includes careful explanation of ingenious techniques, as well as puzzles and solutions for readers of all mathematical levels. If you remember any secondary school geometry, you are already on your way. These novel and original dissections will be a gold mine for math puzzle enthusiasts, for math educators in search of enrichment topics, and for anyone who loves to see beautiful objects in motion.