Engineering Graphics Pearson

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this 14th edition provides a clear comprehensive introduction and detailed easy to use reference to creating 2d documentation drawings and engineering graphics by hand or using cad it offers excellent technical detail up to date standards motivating real world examples and clearly explained theory and technique

this is the ebook of the printed book and may not include any media website access codes or print supplements that may come packaged with the bound book this full color text offers a clear complete introduction and detailed reference for creating 3d models and 2d documentation drawings building on its reputation as a trusted reference this edition expands on the role that 3d cad databases now play in design and documentation superbly integrated illustrations text step by step instructions and navigation make it easier than ever to master key skills and knowledge throughout the authors demonstrate 3d and 2d drawing skills and cad usage in real world work practice in today s leading disciplines they combine strong technical detail real world examples and current standards materials industries and processes all in a format that is efficient colorful and visual features splash spread appealing chapter opener provides context and motivation references and links useful weblinks and standards provided upfront in each chapter understanding section foundational introductions tabbed for easy navigation outline each topic s importance use visualization tips and theory detail section detailed well tested explanations of drawing techniques variations and examples organized into quick read sections numbered for easy reference cad at work section breakout pages offer tips on generating drawings from 2d or 3d models portfolio section examples of finished drawings show how techniques are applied in the real world key words italicized on first reference summarized after each chapter chapter summaries and review questions efficiently reinforce learning exercises outstanding problem sets with updated exercises including parts assembly drawings from cad models sketching problems and orthographic projections

for courses in engineering graphics technical drawing and drafting technical sketching this authoritative text dominates the market by offering the best coverage of basic graphics principles and an unmatched set of fully machineable working drawings its practical well illustrated step by step explanations of procedures have successfully trained students for 60 years and continue to appeal to today s visually oriented students

this book s practical well illustrated step by step explanations of procedures have successfully trained users for 60 years and continue to appeal to today s visually oriented users this book offers the best coverage of basic graphics principles and an unmatched set of fully machinable working drawings for professions that utilize the skills of engineering graphics technical drawing and drafting technical sketching

this text is intended for introductory engineering graphics courses engineering graphics is an innovative text that provides a fresh perspective to engineering graphics it is designed for first year engineering and technology students to give them a good base regardless of which area of engineering they will specialize in this text has been written to teach a skill it presents drawing

sketching and visualization as a means of thinking through complex problems not simply as the product of a cad process

in engineering graphics with autocad 2020 award winning cad instructor and author james bethune teaches technical drawing using autocad 2020 as its drawing instrument taking a step by step approach this textbook encourages students to work at their own pace and uses sample problems and illustrations to guide them through the powerful features of this drawing program more than 680 exercise problems provide instructors with a variety of assignment material and students with an opportunity to develop their creativity and problem solving capabilities effective pedagogy throughout the text helps students learn and retain concepts step by step format throughout the text allows students to work directly from the text to the screen and provides an excellent reference during and after the course latest coverage is provided for dynamic blocks user interface improvements and productivity enhancements exercises sample problems and projects appear in each chapter providing examples of software capabilities and giving students an opportunity to apply their own knowledge to realistic design situations ansi standards are discussed when appropriate introducing students to the appropriate techniques and national standards illustrations and sample problems are provided in every chapter supporting the step by step approach by illustrating how to use autocad 2020 and its features to solve various design problems engineering graphics with autocad 2020 will be a valuable resource for every student wanting to learn to create engineering drawings

this package contains the following components 0131415212 engineering graphics 0135073901 solidworks 09 10 student design kit

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