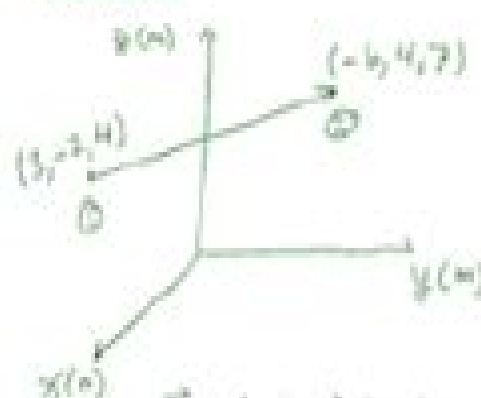


$$\vec{R} = \underbrace{(x_2 - x_1)}_{R_x} \hat{i} + \underbrace{(y_2 - y_1)}_{R_y} \hat{j} + \underbrace{(z_2 - z_1)}_{R_z} \hat{k}$$

$$|\vec{R}| = (R_x^2 + R_y^2 + R_z^2)^{1/2}$$

Ex 4-4-18:



$$\vec{R} = (-6-3) \hat{i} + (4-(-2)) \hat{j} + (7-4) \hat{k} =$$

$$\vec{R} = -9 \hat{i} + 6 \hat{j} + 3 \hat{k}$$

Wileyplus Statics Solution Manual

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Meriam, L. Glenn Kraige, J. N. Bolton, L. G. Kraige, 2020-03-17 Known for its accuracy clarity and dependability Meriam Kraige and Bolton's Engineering Mechanics Statics 9th Edition has provided a solid foundation of mechanics principles for more than 60 years This text continues to help students develop their problem solving skills with an extensive variety of engaging problems related to engineering design In addition to new homework problems the text includes a number of helpful sample problems To help students build necessary visualization and problem solving skills the text strongly emphasizes drawing free body diagrams one of the most important skills needed to solve mechanics problems A Brief Introduction to Fluid Mechanics Donald F. Young, Bruce R. Munson, Theodore H. Okiishi, Wade W. Huebsch, 2010-12-21 A Brief Introduction to Fluid Mechanics 5th Edition is designed to cover the standard topics in a basic fluid mechanics course in a streamlined manner that meets the learning needs of today's student better than the dense encyclopedic manner of traditional texts This approach helps students connect the math and theory to the physical world and practical applications and apply these connections to solving problems The text lucidly presents basic analysis techniques and addresses practical concerns and applications such as pipe flow open channel flow flow measurement and drag and lift It offers a strong visual approach with photos illustrations and videos included in the text examples and homework problems to emphasize the practical application of fluid mechanics principles Statics (Solutions Manual) James L. Meriam, 1971-09-17 **Engineering Mechanics Statics with Wiley Plus Set** J. L. Meriam, 2006-09 **Solution Manual to Statics** Jerry H. Ginsberg, Joseph Genin, 1977-06-01 *Applied Statistics and Probability for Engineers 5E with Student Solutions Manual and WileyPLUS Set* Douglas C. Montgomery, 2010-12-28

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