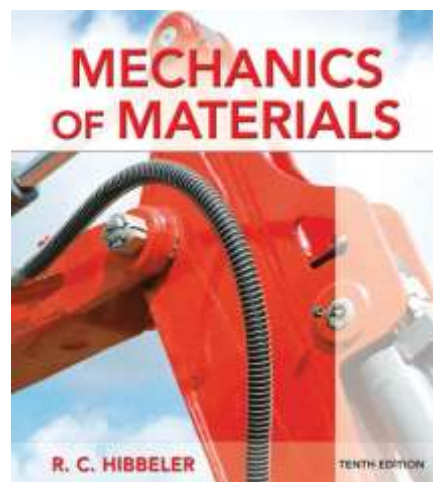# Suggested Problems/ Dr. Alkhaldi

MECHANICS OF MATERIALS

TENTH EDITION

R. C. HIBBELER

- All **EXAMPLES** in all chapters are recommended to be solved.
- All **FUNDAMENTAL PROBLEMS** in all chapters are recommended to be solved.
- All **PROBLEMS** Below in Table are recommended to be solved.

EXAMPLE	FUNDAMENTAL PROBLEMS

Chapter in textbook	Problem number
One (1)	38, 43, 44, 66, 72, 77, 81, 85, 93, 95, R(1-2), R(1-3), R(1-5)
Two (2)	3, 4, 6, 7, 10, 11, 15, 30
Three (3)	5, 6, 9,15,18, 23, 24, 27, 28, 31, 32, 33, R(3-1), R(3-3), R(3-5), R(3-8), R(3-10)
Four (4)	1, 3, 4, 8, 9,10,13,18,19, 21, 22, 20, 26, 27, 31, 36, 37, 43, 46, 44, 49, 68, 69, 71, 72, R(4-3), R(4-6), R(4-7), R(4-8), R(4-9)
Five (5)	8, 9,14, 21, 22, 27, 31, 39, 40, 49, 52, 53, 55, 62, 63, 66, 67, 68, 77, 78, 88, 89, R(5-1), R(5-2), R(5-8), R(5-9)
Six (6)	3, 7, 8, 12, 14, 17, 21, 26, 35, 41, 42, 45, 49, 53, 55, 70, 78, 81, 88, 101, 102, 120, 123, 125, 131,

	132, 137, 140, 144, 145, 147, 150, 152, 155, 156, 157, R(6-3), R(6-6)
Seven (7)	5, 6, 8, 10, 11,15, 19, 21, 22, 25, 29, 33, 35, 42, 44, R(7-2), R(7-4), R(7-5)
Eight (8)	4, 6, 7, 8, 10, 12, 13, 14, 16, 18, 21, 24, 29, 37, 38, 39, 40, 42, 43, 49, 54, 56, 62, 65, 67, 72, 73, R(8-1), R(8-2), R(8-4), R(8-5)
Nine (9)	5, 8, 10, 12, 14, 17, 22, 23, 24, 28, 29, 30, 31, 34, 35, 39, 40, 42, 54, 59, 61, 65, 66, 71, 73, 74, R(9-2), R(9-4), R(9-7)
Ten (10)	32, 33, 35, 38, 44, 52, 53, 55, R(10-2)
Twelve (12)	10, 20, 22, 26, 36, 39, 41, 43, 49, 50, R(12-2), R(12-5), R(12-8)