Answer Tutorial 4 - Chapter 6: Vector Mechanics

Problem No.	Answers	Problem No.	Answer
01	F_fh=F_ab=F_bd=47.19KN (c) F_gh=F_ac=44.64KN (t) F_df=F_fh=47.19KN(c) F_fg=F_bc=10.5KN(c) F_eg=F_ce=30.64KN(t) F_dg=F_cd=17.5KN(t) F_de=0kN	06	B_x=-700N B_y=-200N E_x=700N E_y=500N
02	F_bd=1700N(c) F_de=1500N(t) F_cf=1600N(t) F_ef=2250N(t) F_ac=1200N(t) F_be=400N(t) F_ce=850N(c) F_bc=750N(t) F_ab=2550N(c)	07	A_x=-13kN A_y=-4kN B_x=36kN B_y=6kN E_x=-23kN E_y=-2kN
03	F_fg=5.23kN(c) F_eh=5.08kN(t) F_eg=0.148kN(c)	08	A_x=-7.6kN A_y=5kN B_x=-11.4kN B_y=-0.5kN D_x=19kN D_y=-4.5kN
04	F_fg=56.09kN(t) F_dg=75kN(c) F_fh=69.7kN(t)		
05	F_bc=0.6kN(t) F_ce=2.21kN(c) F_bd=2.21kN(t) F_de=F_bc=0.6kN(c) F_be=0kN F_ac=F_ef=2.29kN(c) F_ab=F_df=2.29kN(t)		