

4D8 2014. Numerical answers.

1. (b)(i) 10.43 MN, 1277 mm (ii) 12.5 MN, 1000 mm (c) 34.56 MN, 232 mm
2. (a)(i) 0.0035P (ii) 0.0061P (b) 36 mm higher
3. (a) 0.1075 m^4 , 0.635 m (b) 8.1 & 11.0 MPa; 13.6 & 5.0 MPa; 17.0 & -0.9 MPa
4. (b) 2214 kNm (c) 0.00845
5. 12.9, 8.3 & -3.8 MPa``

CJB

May 2014