

EXERCISE 3

1. Draw the shear force and bending moment diagrams for the beam shown below.

2. Determine the maximum shear force and bending moment in the beam.

3. Determine the location of the maximum shear force and bending moment in the beam.

4. Determine the location of the zero shear force and zero bending moment in the beam.

5. Determine the location of the maximum deflection in the beam.

6. Determine the location of the maximum slope in the beam.

7. Determine the location of the maximum rotation in the beam.

8. Determine the location of the maximum displacement in the beam.

9. Determine the location of the maximum deflection in the beam.

10. Determine the location of the maximum slope in the beam.

11. Determine the location of the maximum rotation in the beam.

12. Determine the location of the maximum displacement in the beam.

13. Determine the location of the maximum deflection in the beam.

14. Determine the location of the maximum slope in the beam.

15. Determine the location of the maximum rotation in the beam.

16. Determine the location of the maximum displacement in the beam.

17. Determine the location of the maximum deflection in the beam.

18. Determine the location of the maximum slope in the beam.

19. Determine the location of the maximum rotation in the beam.

20. Determine the location of the maximum displacement in the beam.

21. Determine the location of the maximum deflection in the beam.

22. Determine the location of the maximum slope in the beam.

23. Determine the location of the maximum rotation in the beam.

24. Determine the location of the maximum displacement in the beam.

25. Determine the location of the maximum deflection in the beam.

26. Determine the location of the maximum slope in the beam.

27. Determine the location of the maximum rotation in the beam.

28. Determine the location of the maximum displacement in the beam.

29. Determine the location of the maximum deflection in the beam.

30. Determine the location of the maximum slope in the beam.

31. Determine the location of the maximum rotation in the beam.

32. Determine the location of the maximum displacement in the beam.

