Problem 1

WEIGHT: 1.374 lbs.
Problem 2

WEIGHT: 0.60 lbs.

Problem 3

WEIGHT: 1.19 lbs.
Problem 4

WEIGHT: 3.47 lbs.
Problem 5

WEIGHT: 688.188 lbs.

Problem 6

WEIGHT: 0.065 lbs.
1. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 1 and 9 to produce the final sketch on the right.
   a. Equal
   b. Perpendicular
   c. Collinear
   d. None of the above

2. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 2 and 3 to produce the final sketch on the right.
   a. Tangent
   b. Perpendicular
   c. Collinear
   d. None of the above

3. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 3 and 15 to produce the final sketch on the right.
   a. Parallel
   b. Perpendicular
   c. Concentric
   d. None of the above

4. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 4 and 5 to produce the final sketch on the right.
   a. Parallel
   b. Perpendicular
   c. Collinear
   d. Tangent
5. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 5 and 3 to produce the final sketch on the right.
   a. Tangent
   b. Perpendicular
   c. Collinear
   d. None of the above

6. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 6 and 12 to produce the final sketch on the right.
   a. Tangent
   b. Perpendicular
   c. Collinear
   d. Parallel

7. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 7 and 11 to produce the final sketch on the right.
   a. Equal
   b. Perpendicular
   c. Collinear
   d. Concentric

8. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 8 and 9 to produce the final sketch on the right.
   a. Equal
   b. Perpendicular
   c. Collinear
   d. None of the above

9. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 9 and 6 to produce the final sketch on the right.
   a. Equal
   b. Perpendicular
   c. Collinear
   d. None of the above

10. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 10 and 8 to produce the final sketch on the right.
    a. Concentric
    b. Parallel
    c. Collinear
    d. None of the above
11. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 11 and 10 to produce the final sketch on the right.
   a. Equal
   b. Parallel
   c. Collinear
   d. Tangent

12. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 12 and 13 to produce the final sketch on the right.
   a. Tangent
   b. Parallel
   c. Collinear
   d. Concentric

13. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 13 and 15 to produce the final sketch on the right.
   a. Equal
   b. Parallel
   c. Collinear
   d. None of the above

14. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 14 and 4 to produce the final sketch on the right.
   a. Perpendicular
   b. Parallel
   c. Collinear
   d. None of the above

15. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 15 and 11 to produce the final sketch on the right.
   a. Equal
   b. Parallel
   c. Collinear
   d. None of the above

16. In the sketch shown above, select the answer from the options that describes the constraint that will constrain lines 16 and 1 to produce the final sketch on the right.
   a. Equal
   b. Parallel
   c. Collinear
   d. Perpendicular