Cumulative Exam Period 2 Name: _____

Prep -

Solve the following: Lesson

1. $60 - 4 \cdot 6 \div 2 \cdot 3 + 2 \cdot 3^2$ _____ 1-2

2. $5\frac{1}{5} - 2\frac{3}{8}$ _____ 7-3

3. Change 830,000 mm to km _____ 2-8

4. Solve: $3c - 28 = -46$ _____ 6-3

5. Find the PF of 126 _____ 4-2

6. Express in SN: $25{,}300{,}000$ _____ 2-9

7. Solve: $\frac{48}{r} = \frac{6}{7}$ _____ 8-3

8. What is 5% of 200? _____ 8-8

9. Find the area of a circle r=3 m _____ 10-6

10. Find the perimeter of a square with sides: 36 ft. _____ 7-6

11. Solve: $-26 = 2r$ _____ 6-2

12. Find the GCF of 12, 16, and 20 _____ 4-4

13. Estimate to nearest 10th: $\sqrt{264}$ _____ 10-2

14. Solve the following: $\frac{m}{5} - 10 \le 15$ _____ 6-5

15. If the hypotenuse is 25 ft and one of the legs is 20 ft, what is the length of the missing leg? _____ 10-3

16. Evaluate: $6x^3 + 5x - 5$, if x = 2 _____ 1-3

17. How much does Joanna pay for a $120 pair of boots on sale for 20% off with a sales tax of 8%? _____ 11-6

18. Express 104 people in 4 cars as a unit rate _____ 8-2

19. Find the area of a trapezoid with base lengths of 15 in and 8 in and a height of 12 in _____ 10-5

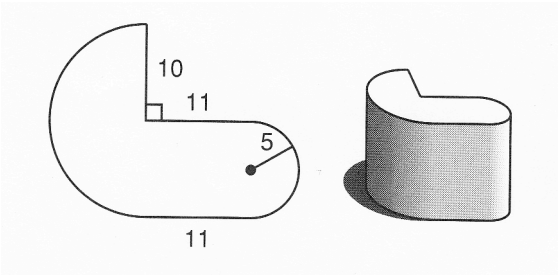
20. Find the LCM of 24, 64, and 120 _____ 4-9

21. 9 pounds = ? ounces _____ 7-5

Problems 22-25 use the same drawing and find the following. Height is 10 m.

22. Base area _____

23. Lateral _____

24. Surface area _____

25. Volume _____