

Final Exam Pre-Test

Directions: You may use the following materials during this pre-test: Calculator, instructor provided formula sheet, 3" x 5" notecard (handwritten on one side only)

You MUST include units where necessary to get full credit

Each problem is worth 3 points (except #1 is worth 2 points)

Perform the indicated operations and write your answer on the line provided:

1. $7\frac{1}{4} - 2\frac{3}{8}$

2. $3\frac{3}{16} \text{ in} \times 4\frac{3}{8} \text{ in}$

3. $\frac{5}{8} \text{ in} \times \frac{4}{15}$

4. $7\frac{9}{16} - 3\frac{3}{4} + 4\frac{5}{8}$

5. $7\frac{1}{2} \div 3\frac{1}{4} - 1\frac{7}{16}$

Perform the indicated operations giving answers to the stated number of decimal places:

6. $11.01 \div 9.997$ (round to two places)

7. 15.76×0.125 (round to two places)

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8. $(2.456 \text{ in})^3$ (round to three places) _____

9. $8.93^2 \times 8.25 - 738 \div 0.33$ (round to two places) _____

Solve for the following unknowns and round to 2 decimal places if necessary. Also include units on your answers:

10. \$45 is what percent of \$180? _____

11. 67 is $33\frac{1}{3}\%$ of what number? _____

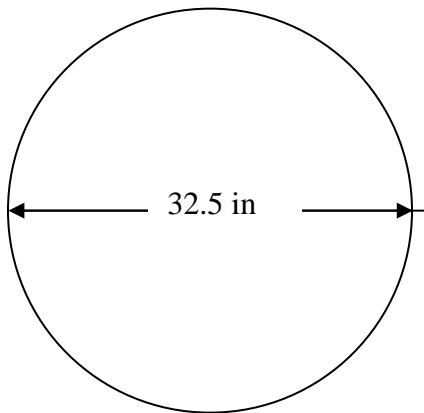
12. If sales tax is 5.5%, what would be the check out price of a television with a list price of \$189.99? _____

Convert the following measurements as indicated. Write answers in the blank space provided. Round your answer to TWO decimal places.

13. 178.6 sq ft _____ yd²

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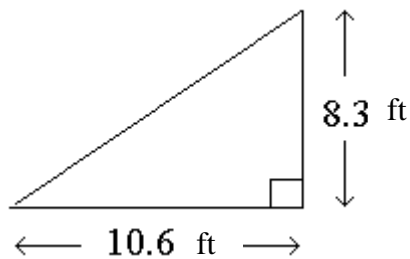
For each figure below calculate both the area, **A**, and the distance around (perimeter or circumference), **P**. Round your answer to the nearest hundredth and include units on your answers



14. $A =$ _____

15. $P =$ _____

Round your answer to the nearest tenth and include units on your answers



16. $A =$ _____

17. $P =$ _____