

Review Answer Key for the Vocational Math for Construction Midterm Exam:

1. Page 5 #28 (perimeter with missing dimensions)
 - 134 feet
2. Page 11 #19 (square feet of roof (only rectangles))
 - 1260 square feet
3. Page 11 #22 (multiply to determine how much board feet for 54 tables).
 - 1026 board feet
4. Page 23 #26 – NO CALCULATOR (adding fractions)
 - $8 \frac{11}{16}$ "
5. Page 28 #19 – NO CALCULATOR (subtracting fractions)
 - $41 \frac{1}{4}$ "
6. Use the figure below to answer the question: How much space is there between the counter and the bottom of the upper cabinets?
 - $1' 6 \frac{9}{16}$ "
7. Page 138 #4 (estimate area)
 - 1,500 square feet
8. Page 138 #5 (calculate and tack on 10% for overhead)
 - \$749
9. Page 30 #18 (multiply fractions)
 - $8' 5 \frac{1}{2}$ "
10. Page 34 #14 (dividing fractions)
 - 80 pieces
11. Page 78, #40 (perimeter of semicircle)
 - $11' 6 \frac{13}{16}$ "
12. Page 86, #18 (wall area)
 - 167.3 square feet
13. Page 100, #12 (area of hexagon)
 - 259.7 square feet
14. Page 103 #11 (area of a donut)
 - 2.95 square feet
15. Page 129 #9 (triangle length of c)
 - $9' 1 \frac{5}{16}$ "
16. Page 130 #13 (confirm right angle)
 - 15 feet
17. Find diagonal of a foundation
 - $29' 8 \frac{1}{8}$ "