Chapter 2 Test Review and Chapter 2 Test Information

Test Information

- 24 Short Answer Questions (same type of questions as shown on both test reviews)
- Total Points possible – 100 points
- 4 points possible for placing your name and period on both your answer sheet and your test sheet
- 4 points possible for each question (96 points total)

Test Question Rubric

<table>
<thead>
<tr>
<th>4 points</th>
<th>3 points</th>
<th>2 points</th>
<th>0-1 point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Correct answer</td>
<td>Correct Answer</td>
<td>Incorrect Answer</td>
<td>Incorrect Answer</td>
</tr>
<tr>
<td>All Work Shown</td>
<td>Work Show</td>
<td>Work Shown with minor error causing incorrect answer</td>
<td>No work shown or work shown does not support answer or the process to find the correct answer</td>
</tr>
<tr>
<td>Correct Annotation (sign or symbol)</td>
<td>Minor Error in annotation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Correct Units</td>
<td>Minor Error in Units</td>
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Practice Problems

- See attached pages for practice problems in addition to Chapter 2 Practice Test out of the textbook.
- Solutions can be found on the homework website under lachsa.net/Cholko at least one class period prior to the test.
- Instructions and types of problems on the test will be similar to the problems on this review.
2.1 Solving one Step Equations

#1-3: Solve each equation. Check your answer to make sure you solved the equation correctly.

1) $x - 12 = -8$  
2) $-8x = 148$  
3) $w + \frac{1}{2} = 7$

2.2 Solving two Step Equations

#4-6: Solve each equation. Check your answer to make sure you solved the equation correctly.

4) $4t - 13 = 57$  
5) $18 = 30 - 3h$  
6) $\frac{1}{6}f + \frac{3}{4} = \frac{1}{2}$

2.3 Solving Multi-Step Equations

# 7 – 9 Solve each equation. Check your answer to make sure you solved the equation correctly.

7) $a - 12 + 2a = 27$  
8) $3(x + 2) = 24$  
9) $h(5 - 2) + 8 = 17$
2.4 Solving Equations with Variables on Both Sides

#10-12 Solve each equation. Check your answer to make sure you solved the equation correctly.

10) \(4x + 2 = 3x\)  
11) \(-(x - 4) = 2x + 6\)  
12) \(\frac{1}{3}x + \frac{2}{3} = \frac{5}{3}x\)

2.5 Solving Proportions

#13 – 15: Solve each equation. Check your answer to make sure you solved the equation correctly.

13) \(\frac{3w-7}{21} = \frac{3}{7}\)  
14) \(\frac{n}{8} = \frac{2}{10}\)  
15) \(\frac{2}{9} = \frac{12}{x}\)  
16) Find 2.3% of 230.

17) What percent is 18 of 12?  
   Round your answer to the nearest tenth of a percent.

18) 90 is 37.5% of what number?
2.6 Solving Literal Equations for a Variable

#19-21: Solve each equation for the given variable.

19) \( A = P + Prt \)  solve for \( r \)  

20) \( C = \frac{360}{n} \)  solve for \( n \)

21) \( S = \frac{n}{2} (a + l) \)  solve for \( a \)

2.7 Solving Absolute-Value Equations

#22-24: Solve each equation for the given variable.

*******REMEMBER – ABSOLUTE VALUE - YOU SHOULD HAVE TWO SOLUTIONS!******

22) \( 3|y + 4| = 30 \)  

23) \( |x + 6| = 21 \)  

24) \( |g + 6| + 12 = 14 \)