



PARKSIDE CHRISTIAN ACADEMY

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## Weekly Sheet for MS-2 Pre-Algebra

Mr. Charlton

Week # \_11\_ Dates: November 7, 2011 – November 11, 2011

### Topics/Content/Skills:

**Topic:** Operations with Radical Expressions and Percent of Change.

**Content:** Using radical expressions to determine appropriate measurements

**Skills:** Students will be able to understand and use

- Add and subtract radical expressions.
- Multiply radical expressions.
- Find percents of increase and decrease.
- Solve problems involving percents of change

### Vocabulary/Key Terms/Formulas:

**Vocabulary:**

1. **Linear function:** A linear equation in two variables describes a relationship in which the value of one of the variables depends on the value of the other variable.
2. **X and Y intercept of a function:** Where the line of a graph crosses (cuts) either the x-axis or the y-axis.
3. **Slope:** The slope of a line measures how much the value of y changes for every so much that the value of x changes.
4. **Correlation:** A measure of the relationship between two variables.
5. **Continuous:** The representation of data for which no individual values other than a range between intervals can be established. Continuous data is usually associated with physical measurements such as growth.
6. **Discrete:** The representation of data for which one-to-one correspondence is established between individual points of data and the medium of representation. Discrete representations are often associated with countable objects such as populations.
7. **Line of Best Fit:** The line that most closely fits the bi-variant data.
8. **Patterns:** Regularities in situations such as those in nature, events, shapes, designs, and sets of numbers.

9. **Scatter plot:** A graph of plotted points that show the relationship between two sets of data.
10. **Expression:** An expression is a mathematical term or a sum or difference of mathematical terms that may use numbers, variables, or both.
11. **Equation:** An equation is a statement that two numbers or expressions are equal. Equations are useful for relating variables and numbers. Many word problems can easily be written down as equations with a little practice. Many simple rules exist for simplifying equations.

**Key Terms:** Not this week.

**Formula:**

NA

**Homework:**

	<u>Lesson</u>	<u>Homework</u>
<b><u>Monday</u></b>	Lesson: <ul style="list-style-type: none"> <li>• Introductions to operations with radical expressions.</li> </ul>	Students will: <ul style="list-style-type: none"> <li>• Textbook p.595, #1 – 12 (show all work) of packet</li> </ul>
<b><u>Tuesday</u></b>	Lesson: <ul style="list-style-type: none"> <li>• Operations and radical expressions</li> </ul>	Students will: <ul style="list-style-type: none"> <li>• Textbook p.595, #13 – 27 (show all work) of packet</li> </ul>
<b><u>Wednesday</u></b>	Lesson: <ul style="list-style-type: none"> <li>• Operations and radical expressions.</li> </ul>	Students will: <ul style="list-style-type: none"> <li>• Complete pages p.595-6, #36 – 40, of packet</li> </ul>
<b><u>Thursday</u></b>	Learning: <ul style="list-style-type: none"> <li>• Percent of change</li> </ul>	Students will: <ul style="list-style-type: none"> <li>• Textbook Complete p.162 #1 – 6 of packet</li> </ul>
<b><u>Friday</u></b>	Learning: <ul style="list-style-type: none"> <li>• Percent of change</li> </ul>	Students will: <ul style="list-style-type: none"> <li>• Textbook Complete p.162 # 7 – 14 of packet</li> </ul>

**Tests:**

NA

**Special Events/News:**

NA

**Extra-ordinaries/Mastery Review Material:**

EXERCISE:

- Katie is 21 years old. Write an algebraic expression that tells how old she will be in five years. Let “x” represent that age. Solve from your expression.
- One hamburger costs x cents. Write an algebraic expression that tells how much 4 hamburgers will cost.