

# WELCOME TO MATH NIGHT 2009

- ✘ The presentation tonight will be available at the school's website.

<http://www.sierravistams.org/>

- ✘ Please help yourself with a free copy of the California Standards Key Concepts Book.

Mr. Tom Alessi—Pre-Algebra

Mrs. Adriana Bryant—Transition Algebra / Algebra

Miss Karen Feng—Intro to Pre-Algebra / Algebra

Mrs. Linda Gavin-Morand—Algebra

Mrs. Ann Shaw—Intro to Pre-Algebra / Pre-Algebra

Mr. Eric Zuercher—Intro to Pre-Algebra / Math Lab

Transition Algebra

**SIERRA VISTA MIDDLE SCHOOL**  
**MATH DEPARTMENT**

# **WELCOME TO MATH NIGHT!**

Information from tonight's presentation is available on the Sierra Vista website

---

# AGENDA

---

- × Introductions
- × Common Agreements—Ann Shaw
- × Homework Expectations—Eric Zuercher
- × Holt Online—Karen Feng
- × Adjustment to Middle School Math—Ann Shaw
  
- × Questions? E-mail your child's teacher.

---

7<sup>th</sup> grade classes have a common textbook

Holt Mathematics Course 2: Pre-Algebra

8<sup>th</sup> classes have 2 different textbooks this year

Holt Mathematics: Algebra I

or

CGP Algebra 1

# COMMON AGREEMENTS

---

All teachers are using the District Pacing Guide, modifying as needed

- + Normally 1 lesson is covered per day
- + On average, 15 - 25 problems are assigned per day

Grades are available online through Blackboard or Parent Portal.

TeleParent may also be used as a form of communication.

# COMMON AGREEMENTS (CONT.)

---

- ✘ Progress is measured using quizzes, Chapter tests, and IOLA tests (at the end of each trimester)
  
- ✘ 7<sup>th</sup> grade teachers share common :
  - + homework expectations
  - + note writing expectations
  - + assessment error analysis opportunities
  - + grading scale
  - + late homework policy
  - + assessment questions
  - + absent/make-up work (district policy)
  - + once per trimester test re-take policy (not for Algebra I)

# COMMON HOMEWORK EXPECTATIONS AND POLICIES

## Example 1: Joe Notsogood

Answers only

Good job on the heading though!

0 points Joe Notsogood  
9/12/08

1,3 #s 17-41 odd

- 17 34 - No work shown
- 19 1 - Not all problems completed
- 21 ← - No corrections!
- 23 200
- 25 42
- 27 11
- 29 16
- 31 42
- 33 14
- 35 40
- 37 3
- 39  $\frac{1}{2}$
- 41 128

## Example 2: Suzy Notsomuch

Work is incomplete.

Not ALL PROBLEMS are COMPLETED.

Homework is not corrected.

1 point

Suzy Notsomuch  
9/12/08

1.3 #s 17-41 odd

17  $13 + 3 \cdot 7$   
34

35  $[(7 \cdot 4) + 3] + 15$   
 $[28 + 3] + 15$   
46

- Work Incomplete

19  $2^4 - 5 \cdot 3$   
 $16 - 15$   
1

37  $\frac{13 - 4}{18 - 4^2 + 1}$   
3

- Not all problems completed

21  $4^3 + 9 \cdot 2$   
82

- No corrections

23  $6 \cdot 20^2$   
300

39

41

25  $14(n+1)$   
 $14(3)$   
42

27  $2^3 + 5 - 2$   
11

29  $6 \div 3 + 2 \cdot 7$   
 $2 + 14$   
16

31  $16 + 8 \cdot 2^2$   
 $16 + 8 \cdot 4$   
40

33  $10 - 3 + (2 + 5)$   
14

1.3 #'s 17-41 odds

2 points

$$\begin{aligned} (17) \quad & 13 + 3 \cdot 7 \\ & = 13 + 21 \\ & = 34 \end{aligned}$$

$$\begin{aligned} (31) \quad & 16 + 8 \cdot 2^2 \\ & = 16 + 8 \cdot 4 \\ & = 16 + 32 \\ & = 48 \end{aligned}$$

- No Corrections

- Not all problems completed

$$\begin{aligned} (19) \quad & 2^4 - 5 \cdot 3 \\ & = 16 - 5 \cdot 3 \\ & = 16 - 15 \\ & = 1 \end{aligned}$$

$$\begin{aligned} (33) \quad & 10 - 3 + (2 + 5) \\ & = 10 - 3 + (7) \\ & = 7 + 7 \\ & = 14 \end{aligned}$$

$$\begin{aligned} (21) \quad & 4^3 + 9 \cdot 2 \\ & = 64 + 18 \\ & = 82 \end{aligned}$$

$$\begin{aligned} (35) \quad & [(7 \cdot 4) + 3] + 15 \\ & = [28 + 3] + 15 \\ & = 31 + 15 \\ & = 46 \end{aligned}$$

$$\begin{aligned} (23) \quad & 6 \cdot 2d^2 \quad d=5 \\ & = 6 \cdot 50 \\ & = 300 \end{aligned}$$

$$\begin{aligned} (37) \quad & \frac{13 - 4}{18 - 4^2 + 1} \\ & = \frac{9}{18 - 16 + 1} \\ & = \frac{9}{3} \\ & = 3 \end{aligned}$$

$$\begin{aligned} (25) \quad & 14(n+1) \quad n=2 \\ & = 14(3) \\ & = 42 \end{aligned}$$

$$\begin{aligned} (27) \quad & 2^3 + 5 - 2 \\ & = 8 + 5 - 2 \\ & = 13 - 2 \\ & = 11 \end{aligned}$$

$$\begin{aligned} (39) \quad & \frac{21 + 9}{5^2 + 40 - 5} \\ & = \frac{30}{25 + 40 - 5} \\ & = \frac{30}{60} \\ & = \frac{1}{2} \end{aligned}$$

$$\begin{aligned} (29) \quad & 6 + 3 + 2 \cdot 7 \\ & = 2 + 2 \cdot 7 \\ & = 2 + 14 \\ & = 16 \end{aligned}$$

~~# 41~~

### Example 3: Chris Almostthere

Not ALL PROBLEMS are COMPLETED.

Some work reflects class instruction.

No corrections

3 points

All problems completed/attempted  
and all correction marks  
made

1,3 #6 17-41 odd

~~13~~  $13 + 3 \cdot 7$   
 $= 13 + 21$   
 $= 34$

~~9~~  $6 + 3 + 2 \cdot 7$   
 $= 2 + 2 \cdot 7$   
 $= 2 + 14$   
 $= 16$

~~21~~  $\frac{21 + 9}{5^2 + 40 - 5}$   
 $= \frac{30}{25 + 40 - 5}$

~~24~~  $2^4 - 6 \cdot 3$   
 $= 16 - 5 \cdot 3$   
 $= 16 - 15$   
 $= 1$

~~38~~  $16 + 8 \cdot 2^2$   
 $= 16 + 8 \cdot 4$   
 $= 16 + 32$   
 $= 48$

$= \frac{30}{65 - 5}$   
 $= \frac{30}{60}$   
 $= \frac{1}{2}$

~~27~~  $4^3 + 9 \cdot 2$   
 $= 64 + 9 \cdot 2$   
 $= 64 + 18$   
 $= 82$

~~33~~  $10 - 3 + (2 + 5)$   
 $= 10 - 3 + 7$   
 $= 7 + 7$   
 $= 14$

~~41~~  $\frac{4 \cdot 2^5}{16 - 4^2 + 1}$   
 $= \frac{4 \cdot 32}{16 - 16 + 1}$   
 $= \frac{128}{0 + 1}$   
 $= \frac{128}{1}$   
 $= 128$

~~28~~  $6 \cdot 2p^2$   $p=5$   
 $= 6 \cdot 2(5)^2$   
 $= 6 \cdot 2(25)$   
 $= 6 \cdot 50$   
 $= 300$

~~39~~  $[(7 \cdot 4) + 3] + 15$   
 $= [28 + 3] + 15$   
 $= 31 + 15$   
 $= 46$

~~25~~  $4(n+1)$   $n=2$   
 $= 4(2+1)$   
 $= 4(3)$   
 $= 12$

~~37~~  $\frac{13 - 4}{18 - 4^2 + 1}$   
 $= \frac{9}{18 - 16 + 1}$   
 $= \frac{9}{2 + 1}$   
 $= \frac{9}{3}$   
 $= 3$

~~27~~  $2^3 + 5 - 2$   
 $= 8 + 5 - 2$   
 $= 13 - 2$   
 $= 11$

### Example 4: Jim Fullcredit

All problems are completed / attempted.

All correction marks are made, correction notes are shown.

Work reflects class instruction.

# ADJUSTING TO MIDDLE SCHOOL

---

Many students are still adjusting to the rigor and changes in expectations in middle school.

Let them 'learn from their mistakes' and improve their learning through the process of error analysis.

Online resources and teacher support are available to all students.

Help them check their homework, making sure their work is complete and is shown as demonstrated in class. *They* should be correcting their work!