

# From yesterday → 2.2 exercises

$$\begin{aligned} 23 \text{ c) } \sqrt{\frac{27}{4}} &= \frac{\sqrt{27}}{\sqrt{4}} \\ &= \frac{\sqrt{9}\sqrt{3}}{\sqrt{4}} \\ &= \boxed{\frac{3\sqrt{3}}{2}} \end{aligned}$$

$$\begin{aligned} 27 \text{ a) } \frac{\sqrt{132}}{\sqrt{3}} &= \sqrt{\frac{132}{3}} = \sqrt{44} \\ &= \sqrt{4}\sqrt{11} \\ &= \boxed{2\sqrt{11}} \end{aligned}$$

$$\begin{aligned} 27 \text{ c) } \sqrt[4]{\frac{1}{4}} \cdot \sqrt[4]{\frac{1}{64}} &= \sqrt[4]{\frac{1}{4} \cdot \frac{1}{64}} \\ &= \sqrt[4]{\frac{1}{256}} = \frac{\sqrt[4]{1}}{\sqrt[4]{256}} \\ &= \boxed{\frac{1}{4}} \end{aligned}$$

# From yesterday → 2.2 exercises

$$(64a^6b^7)^{\frac{1}{6}}$$

$$47 \text{ a) } \sqrt[6]{64a^6b^7}$$

$$= \sqrt[6]{64} \sqrt[6]{a^6} \sqrt[6]{b^7}$$
$$= \boxed{2ab\sqrt[6]{b}}$$

$$\textcircled{\text{or}} 2ab b^{\frac{1}{6}}$$

$$53 \text{ a) } \sqrt{81x^2 + 81}$$

$$\sqrt{81(x^2 + 1)}$$

$$\sqrt{81} \cdot \sqrt{x^2 + 1}$$

$$\boxed{9\sqrt{x^2 + 1}}$$

# From yesterday → 2.2 exercises

57b)  $\left(\frac{4}{9}\right)^{-\frac{1}{2}}$

$\left(\frac{9}{4}\right)^{\frac{1}{2}}$

$\frac{\sqrt{9}}{\sqrt{4}} = \boxed{\frac{3}{2}}$

c)  $\left(\frac{16}{81}\right)^{\frac{3}{4}}$   $\frac{3}{4}$  root

$\left(\frac{2}{3}\right)^3$

$= \boxed{\frac{8}{27}}$

61a)  $x^{\frac{3}{4}} \cdot x^{\frac{5}{4}}$

$= x^{\frac{3}{4} + \frac{5}{4}}$

$= x^{\frac{8}{4}}$

$= \boxed{x^2}$

$x^3 \cdot x^4 = x^{3+4}$

$= x^7$

# PRACTICE QUIZ TODAY

**Use it to study for the quiz  
that will be given soon.**

*(Keep it, don't hand it in.)*



# PRACTICE QUIZ

Check  
answers:

1.

$$\frac{1}{64}$$

2.

$$0$$

3.

$$1$$

4.

$$8$$

5.

$$4$$

6.

$$\frac{1}{9}$$

7.

$$\frac{1}{-9}$$

8.

$$3$$

# PRACTICE QUIZ

9.  $5^6$

10.  $2^9$

Check  
answers:

11.  $81a^8b^{20} \cdot a^3b^{12} = \boxed{81a^{11}b^{32}}$

12.  $10x^3y^{\frac{3}{4}}$

# Mrs. Rosenow's Grading Policy for Honors Trig/Pre-Calculus

(and other important information)

**CLASS SYLLABUS**

office hours: Tue/Thu 8-8:25am and Mon-Thu lunch

phone: 530-891-3050, ext. 31456

e-mail: [drosenow@chicousd.org](mailto:drosenow@chicousd.org)

website: <http://pvhs.chicousd.org/subsites/Debbie-Rosenow>

NOTE: Please check your school email and Google Classroom every day! You will find a list of daily assignments, links for handouts, notes, and announcements. This is especially helpful when you are absent.

The following breakdown and scale will be used to determine your overall grade:

quizzes and tests...85% of overall grade  
classwork, homework, work habits...15%

90 – 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
0 – 59%	F

Tests and quizzes will be given in class and written work will be submitted. Notes aren't allowed on assessments and the use of a calculator will vary. Quizzes may or may not be announced and there are no retakes on unit tests. Some online quizzes may allow two attempts per question.

Scientific calculators will be sufficient on many of the individual unit tests, although graphing calculators may be required for certain standards. Free Desmos calculators are available online for daily work (see *Google Classroom*) and a TI calculator may be borrowed during class for assignments and assessments.

# CLASS SYLLABUS

Classwork/homework will be assigned on a daily basis. **Written work** is due at the beginning of our next class meeting and **online work** is due the night of our next class meeting by 11:59pm unless otherwise stated. You can earn partial credit if you do not finish an assignment, but turn it in on time. Homework is checked mainly for completeness—did you attempt to do all of the problems? Did you write out each problem/diagram and show work? You will be given credit for trying, making mistakes, and learning.

Late assignments will NOT be accepted. It is best to turn in an incomplete assignment on time and get partial credit (late work earns NO points.) Late work from an excused absence is the only exception if submitted within the designated time frame (see page 2.)

If you don't understand an assignment, then ask for help during class and/or immediately set up time during office hours for extra assistance.

If you take the extra time to meet with Mrs. Rosenow during office hours to get help with recent work, then up to two assignments per unit may be turned in late (must be submitted prior to the **current** unit test.)

The PVHS “Committed to Academics” Integrity Policy is enforced in this class. Plagiarism will not be tolerated. You are expected to put forth your best effort, do your own work, and learn from your mistakes.



- Check odd answers as you progress through the assignment.
- If something is incorrect, try to find your error and fix it...or ask someone how they solved the problem.
- Homework (written and online) is graded on completion and is worth 5 points per assignment.
- Late work is not accepted unless you come in during tutorial to finish it. Two late assignments per unit will be accepted for credit.