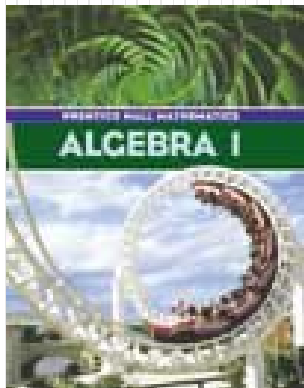
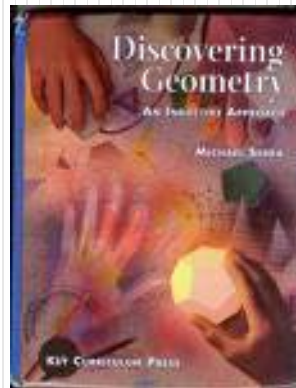


Mr. Northcutt's Math Classes Class Presentation

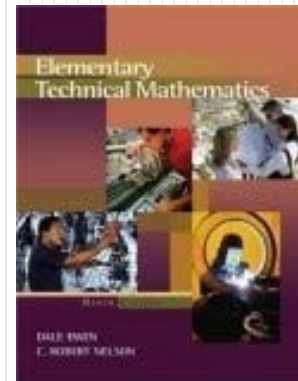
Tuesday, September 23, 2008 (15)



Math 1



Math 2



Applied Math

Math 1 – Daily Summary

- **Announcements**

- None

- **Class Objectives**

- HW Review
- More Fractions!

- **Assignment**

- pg. 726: 3-30 (by 3) and pg. 727: 3-30 (by 3)

HW Review

4: 15

8: -105

12: 81

16: 5

20: 1

24: 1

28: 24

32: -1

36: -81

40: -2

44: -11

48: -1

52: $4\frac{2}{3}$

56: $\frac{1}{18}$

58: -2

59: 18

60: $-\frac{1}{2}$

61: $-\frac{8}{15}$

62: -125

63: 0.75

64: -27

65: 22.32

66: 44

67: -27

68: -60

69: 30

72: $-1\frac{5}{12}$

73: $-\frac{5}{6}$

74: $1\frac{7}{8}$

75: $-\frac{1}{5}$

76: -6

77: $-4\frac{1}{2}$

78: $-\frac{1}{10}$

79: $\frac{1}{5}$

Fractions Review

Show "Shortcut"
for Multiplication
& Division

- Add Fractions

$$\frac{2}{3} + \frac{3}{7} =$$

- Subtract Fractions

$$\frac{5}{6} - \left(-\frac{3}{5}\right) =$$

- Multiply Fractions

$$\left(-\frac{5}{6}\right) \cdot \left(-\frac{3}{5}\right) =$$

- Divide Fractions

$$\left(-\frac{5}{6}\right) \div \frac{10}{3} =$$

Math 2 – Daily Summary

- **Announcements**

- Quiz Tomorrow (Lessons 2.1 thru 2.4)

- **Class Objectives**

- Quiz: 2.1 thru 2.4
- Geogebra Start-Up
 - Point, Line, Line Segment, Ray, Angle
 - Perpendicular Lines, Parallel Lines

- **Assignment**

- Start Geogebra and Add Elements We Have Learned

HW Review

- 1: True
- 2: True
- 3: True
- 4: False
- 5: False
- 6: True
- 7: True
- 8: False
- 9: True
- 10: True
- 11: Varies
- 12: Varies
- 13: Varies
- 14: Varies
- 21: (a) “If C and D are a linear pair then measure of angle D = 40° and measure of angle C = 140° .” (b) False (c) False.

Applied Math – Daily Summary

- **Announcements**

- Quiz Friday (1.1 thru 1.12)

- **Class Objectives**

- Adding/Subtracting Decimal Fractions

- **Assignment**

- Lesson 1.10: 9, 11, 13, 16, 21, 24, 29, 32, 41, 55, 56, 66, 68

HW Review 1.9

- 3: 83
- 4: 294
- 21: $3 \frac{1}{2}$
- 26: $46 \frac{7}{8}$
- 33: 7 qt
- 37: 2520 in^2
- 42: $36 \frac{2}{3} \text{ ft}^3/\text{sec}$
- 44: 538.7 gal
- 53: $58 \frac{2}{3} \text{ ft}/\text{sec}$
- 54: $43 \frac{7}{11} \text{ mi}/\text{hr}$
- 57: 16 yd 1 ft 10 in

HW Review 1.9

#4: 7 yd 3 ft 6 in = _____ in

#37: A piece of sheet metal has dimensions $3 \frac{3}{4}$ ft x $4 \frac{2}{3}$ ft. What is the area in square inches?

#44: The septic tank that exists on a property is 3 ft by 6 ft by 4 ft deep. How many gallons of water will this tank hold? (Water weighs 62.4 lb/ft³; 1 gal of water weighs 8.34 lb.)?

Decimal Fractions

- **Decimal Fractions: Fractions whose denominators are any Power of 10 ($10^1, 10^2, 10^3, 10^{-1}, 10^{-2}, \dots$)**

$$\begin{array}{cccccc} \mathbf{3} & \mathbf{2} & \mathbf{0} & \mathbf{.} & \mathbf{1} & \mathbf{2} & \mathbf{3} \\ \times & \times & \times & & \times & \times & \times \\ \dots & 10^2 & 10^1 & & 10^{-1} & 10^{-2} & 10^{-3} & \dots \end{array}$$

$$300 + 20 + 0 + \frac{1}{10} + \frac{2}{100} + \frac{3}{1000}$$

“hundreds” “tens” “ones” “tenths” “hundredths” “thousandths”

Repeating Decimals

- Many fractions, like $\frac{1}{3}$ and $\frac{1}{9}$, have decimal representations that repeat without ending.

$$\frac{1}{3} = 0.33333\dots = 0.\overline{3}$$

$$\frac{1}{9} = 0.11111\dots = 0.\overline{1}$$

$$6.33120120\dots = 6.331\overline{20}$$

Practice: Words \Leftrightarrow Decimals

- **State the Decimal in Words:**
 - 0.05
 - 24.41
 - 234.0145
- **Write the Words as a Decimal:**
 - One hundred four and seventeen hundredths
 - Fifty and three thousandths

Practice: Fractions \Leftrightarrow Decimals

- **Change Fraction \Leftrightarrow Decimal:**

$$\frac{3}{4} =$$

$$0.125 =$$

$$\frac{8}{15} =$$

$$13.64 =$$

Add/Subtract Decimals

- **Align digits by place value then add/subtract as usual...**
 - Add 13.2, 8.42 and 120.12

Show both as decimals and as common fractions.