

Intermediate Algebra

Homework due day after we finish the section  
Beginning of class.

EDBH 134 K , 339-6238

E-mail: Use course tool

Emergency: steve.mills@aims.edu

Schedule:

Grades:

- ✓ Essays 5% - 5 min. 1 per week
- ✓ Homework 15%
- ✓ 40m Tests 60% (Drop 1)
- ✓ Final Test 20%

Aims Policy

Common Sense  
Common Courtesy

Need SCIENTIFIC Calculator

No Graphing calculator on Test.

TI 30X IIB PREVIOUS ENTRY FEATURE

For big calculations

.. explorations

.. learning

WRITE MUCH, THINK LITTLE

2.1 Practice:

#51-12 Vocabulary & Readiness, pg 53

#5 1-79 odd.

HAND IN: #5 11, 21, 27, 41, 64

Due Wednesday

Due Friday: Syllabus Worksheet

Student Conduct Contract.

We have the following equivalences:

$$a=b \iff a+c=b+c$$

$$a=b \iff a-c=b-c$$

$$a=b \iff ac=bc$$

$$a=b \iff \frac{a}{c} = \frac{b}{c} \quad \} \text{ AND } c \neq 0$$

$$\boxed{3x = 6}$$

$$\frac{3x}{3} = \frac{6}{3}$$

$$\boxed{x = 2}$$

Need these steps

$$3x = 6 \implies$$

$$0(3x) = 0(6) \implies$$

$$0 = 0$$

## Linear Equation Pg 47

$$ax + b = c, \quad a, b, c \in \mathbb{R} \text{ and } a \neq 0.$$

B4  
Class

Write down all definitions / theorems /  
hints, procedures (See Pg 51)

§ 2.2 Pg 57 General Strategy

$$\# 23 \quad \S 2.1 \quad \frac{x}{5} + \frac{x}{3} = \frac{3}{4}$$

$$\begin{array}{l} 5 \\ 3 \end{array} \quad \text{LCD} = 5 \cdot 3 \cdot 2 \cdot 2 = 60$$

$$4 = 2 \cdot 2$$

Clear Fractions

$$60 \left[ \frac{x}{5} + \frac{x}{3} \right] = 60 \left[ \frac{3}{4} \right]$$

$$\frac{60}{1} \cdot \frac{x}{5} + \frac{60}{1} \cdot \frac{x}{3} = \frac{60}{1} \cdot \frac{3}{4} \quad \text{OK}$$

$$60 \left( \frac{x}{5} \right) + 60 \left( \frac{x}{3} \right) = 60 \left( \frac{3}{4} \right)$$

$$\overset{12}{\cancel{60}} \left( \frac{x}{\cancel{5}} \right) + \overset{20}{\cancel{60}} \left( \frac{x}{\cancel{3}} \right) = \overset{15}{\cancel{60}} \left( \frac{3}{\cancel{4}} \right)$$

$$12x + 20x = 45$$

$$32x = 45$$

$$\frac{32x}{32} = \frac{45}{32}$$

$$x = \frac{45}{32}$$

