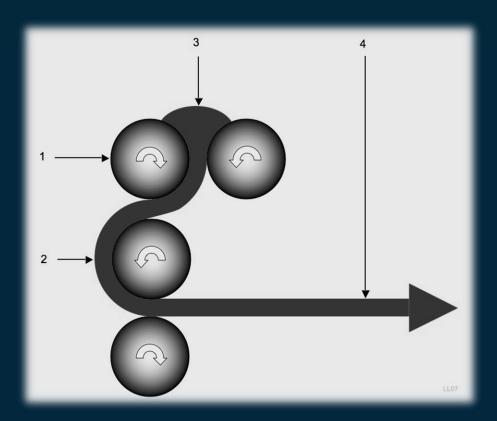
# An Update on the Educational Development Process

Brad Eldridge, MAI - Douglas County, KS Willa Jessee, MSED - IAAO



#### Section 1

#### **SESSION INTRO**





#### **Session Outline**

- Learning theory
- First year of the educational development process
- Summary of Progress for IAAO Course Updates & Education Materials
- Expectations for the development of new courses
- A Fresh Look for IAAO Course 101
- Online Offerings



#### Section 2

#### **LEARNING THEORY**



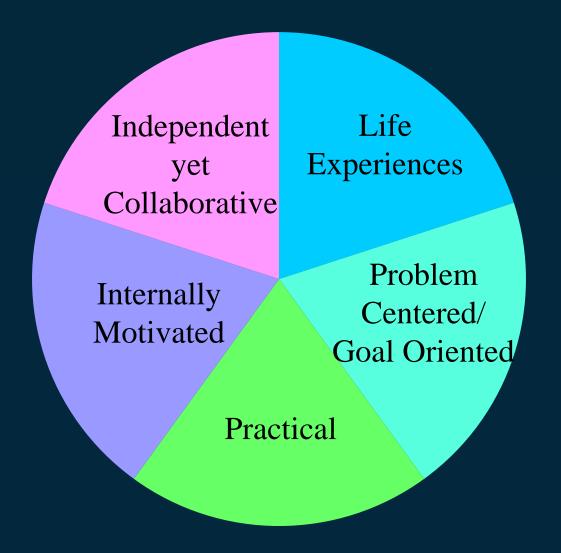


"...WE LIVE IN THE CONTEXT OF A GLOBAL LEARNING ECONOMY THAT REQUIRES US TO CONSTANTLY UPDATE, RETOOL, RETHINK, AND RELEARN."

JEFF COBB



#### Adult Learning Characteristics





#### Learning Theories for Adults

- Action/Project Based
- Experiential
- Self Directed



## DIFFERENCE BETWEEN THE COHORTS:



#### Learning Difference between Cohorts:



1981-2000– Millennials

34%

1965-1980 – Gen X

29%

2%



1946-1964 – Baby Boomers

1925-1945 – Traditionalists



## Differences between Cohorts: Baby Boomers



Individual learners
Linear
Lecture
Books, cover to cover



**Baby Boomers** 



Recognition of
Experience
Practicing new skills
Group Activities





Criticism
Role Playing
Authority





Pods or module
Books, access specific info
Structured lecture + small
group
"Learning is Fun"



Gen X



Asking questions
Challenging
material

Interaction/socializing





"non-value added" activity



Millenials



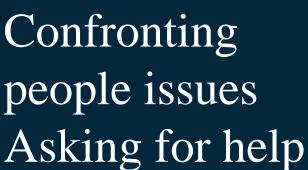
Constructivist environment Research in networked structure Heavy computer use Flexible, quick focus changes



Millenials











#### TRAINING TRANSFER:



Work factors that can be controlled

Realistic training environment
Support – peer and supervisor
Opportunity to perform
Follow-up
Transfer Climate situational clues and consequences



Grossman and Salas, International Journal of Training and development 15:2, ISSN 1360-3736

#### TRAINING TRANSFER:



#### Trainee factors

Cognitive Ability
Self-efficacy
Motivation
Perceived utility of training



Grossman and Salas, International Journal of Training and development 15:2, ISSN 1360-3736

# FLIPPED CLASSROOM ELIBPED CLASSROOM ELIBPED CTASSROOM

Learners approach content outside of the classroom through reading, video, online discussion/assignments PRIOR to going to class

Concept engagement takes place in classroom with support from instructor.



#### MICRO LEARNING:

Time to devote to Professional "Just enough". Just in time," Development and Training?

24 minutes











#### MICRO LEARNING:

Questions to consider:

—CAN everything be taught in "bites" SHOULD



Application of Gaming theory and design elements in non-game concepts.





## **Progression-** Visualize Success incrementally

- Levels- Ramp up to unlock content
- Points- Increase the "value" of your work



#### Investment- Pride in your work

- Achievements- Public Recognition
- Appointments- Check in for new content challenges
- Collaboration- work with others



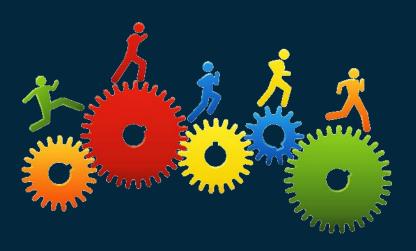
### Cascading Information- Continuous Learning

- Discovery- uncover new knowledge
- Infinite Play- continue until you become an expert
- Synthesis- Challenges require multiple skills to solve



#### Section 3

## FIRST YEAR OF THE EDUCATIONAL DEVELOPMENT PROCESS





#### Move from Word





#### Move from Word into InDesign





Move from Word into InDesign Test Metrics

What is the definition of the term "ad valorem"?

The learner will be able to define the term "ad valorem."



Move from Word into InDesign Test Metrics Write objectives from existing test questions Map objectives to content Refine Content Refine Powerpoint







Move from Word into InDesign
Test Metrics
Write objectives from exist

Write objectives from existing test questions

Map objectives to content

Refine Content

Refine Powerpoint

Edit, edit, edit



#### Section 4

## SUMMARY OF PROGRESS FOR IAAO COURSE UPDATES & EDUCATION MATERIALS





### New/Revised Courses Currently Available

#### • Update -

- Course 101 Fundamentals of Real Property Appraisal
- 171- Standards of Professional Practice and Ethics



### New/Revised Courses Currently Available

#### Rewrite -

 Course 112 - Advanced Income Approach



### New/Revised Courses Currently Available

#### New

- Course 332 Modeling Concepts
- Workshop 850 CAE Case Study Review (2.5 days)
- Workshop 851 RES Case Study Review (2.5 days)
- Workshop 852 AAS Case Study Review (2.5 days)



## New/Revised Courses/Workshops Almost Available to Offer

- Workshop 552/553 Personal Property Auditing Workshops
- Workshop 854 CMS Case Problem Review Workshop (2.0 days)



### New/Revised Courses/Workshops to be Available at the End of the Year

- Course 333 Modeling
   Application (SPSS or NCSS labs)
- Workshop 853 PPS Case Study Review Workshop (2.5 days)







- IAAO Monthly Webinar Series will be revealed September 20th
- Online Education Starting with IAAO Course 101



#### **Study Guides**



- Flashcards Interactive PDF's can be downloaded, used offline and used as a study aid
- Softchalk Study Guides Finished and in editing process



$$\begin{array}{c} \Delta x = x_f - x_i \quad \Delta v = v_f - v_i \\ \hline v = \frac{\Delta \vec{r}}{\Delta t} \quad \overline{\vec{a}} = \frac{\Delta \vec{v}}{\Delta t} \\ \hline v = v_0 + at \\ x = x_0 + v_0 + at^2 / 2 \\ v^2 - v_0 = 2a (x - x_0) \\ \hline v = \frac{v_f + v_i}{2} \\ \hline \Delta x = \overline{v} \Delta t \\ \hline \end{array}$$

$$\begin{array}{c} v = v_0 + at \\ x = x_0 + v_0 + at^2 / 2 \\ v^2 - v_0 = 2a (x - x_0) \\ \hline v = \frac{v_f + v_i}{2} \\ \hline \end{array}$$

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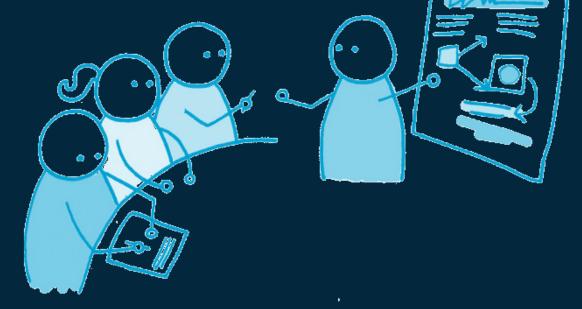
#### Pipeline - Projects in Queue

- Update of Course 300 -Fundamentals of Mass Appraisal
- Update of Course 102 Income Approach
- Workshop 158 Highest & Best Use
- Ratio studies



Section 5

# EXPECTATIONS FOR THE DEVELOPMENT OF NEW COURSES





#### **STANDARDIZATION**

Format

Language

Appearance



#### Section 6

## A FRESH LOOK FOR IAAO COURSE 101

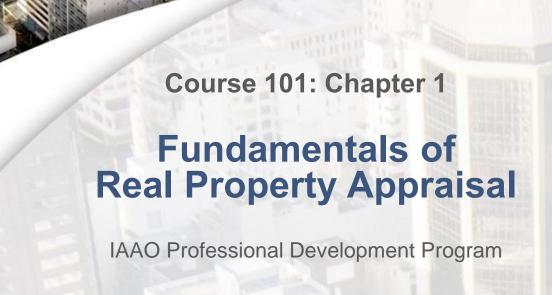




#### Course 101 Changes

- New design template offers a cleaner and contemporary look to the material
- Revised learning objectives that target concepts in the material
- Content mapped to the exam questions
- High level power point slides focusing on key items and improved illustrations
- Integrated instructor manual so instructors only need one manual







of ASSESSING OFFICERS

Valuing the World™



# Discover<br/>List<br/>Value







#### The Assessment Function

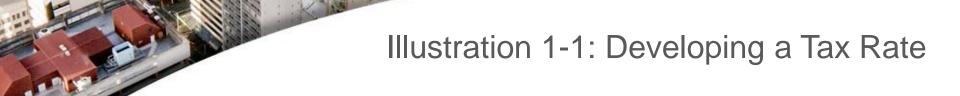
#### **USPAP**

#### (Uniform Standards of Professional Appraisal Practice)

- Assessors/appraisers are professionals
- Professionals are accountable to a standard
- USPAP provides a standard



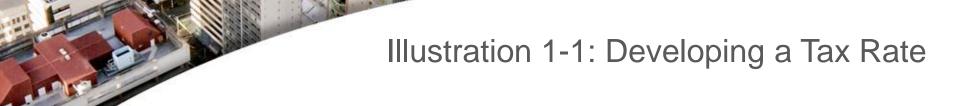




The numerator in developing a tax rate is the budget.

Budget
Assessed Value = Tax Rate





## The denominator in developing a tax rate is the total assessed value.

Budget = Tax Rate





Is this the same as market value?

What is an assessment ratio? (assessment level)?







Assessed Value (AV) = Market Value (MV) X Assessment Ratio (AR)

Other ways of expressing the relationship:

Assessment Ratio(AR) = 
$$\frac{Assessed Value(AV)}{Market Value (MV)}$$

$$MV = \frac{AV}{AR}$$





Assessment Ratio =  $\frac{\text{Assessed Value}}{\text{Market Value}}$ 





#### Illustration 1-1: Developing a Tax Rate

Assessment Ratio =  $\frac{332}{432}$ 

\$320,000 \$800,000





#### Illustration 1-1: Developing a Tax Rate

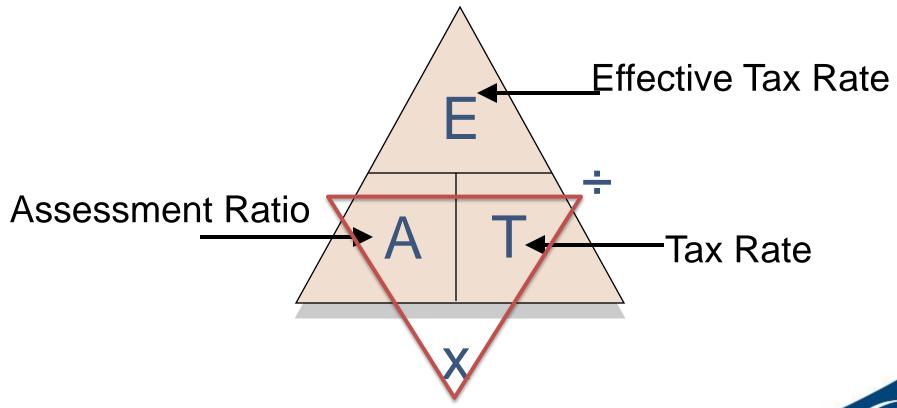
If your calculator doesn't handle billions, simply drop the same number of zeroes from the numerator and denominator before you divide.

$$\left(\frac{500,000,000}{10,000,000} = \frac{500,000}{10,000,000} = \frac{500}{10,000} = \frac{5}{100} = .05\right)$$

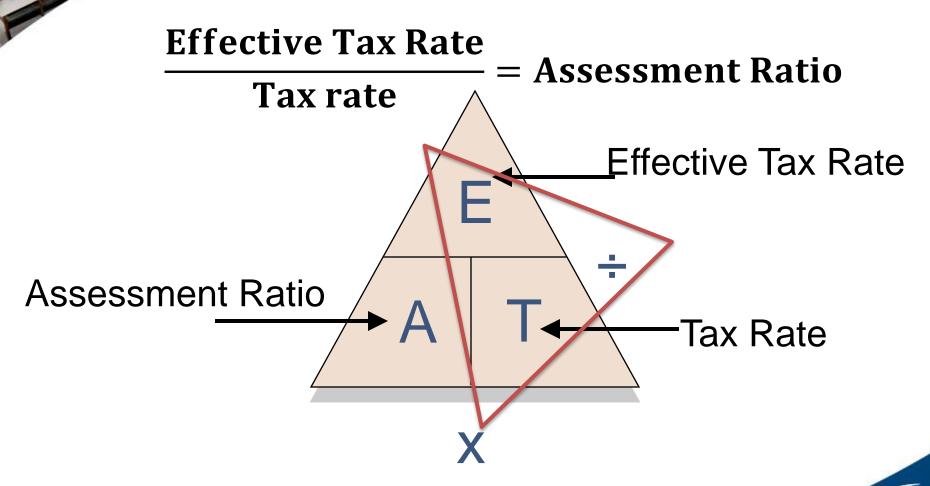


Demonstration1-1 Effective Tax Rate Effective Tax Rate Formula – EAT Triangle

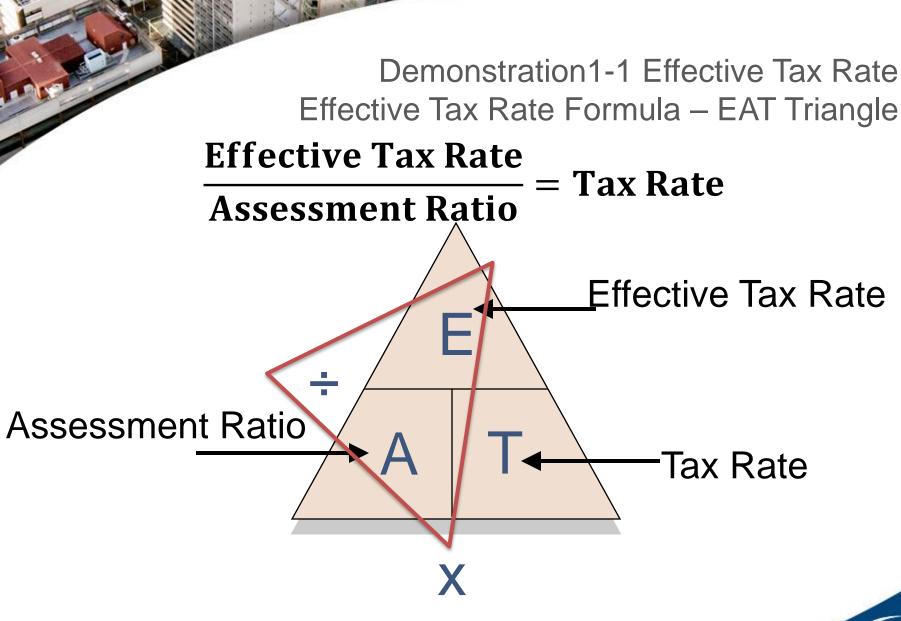
Effective Tax Rate = Tax rate X Assessment Ratio.



Demonstration1-1 Effective Tax Rate Effective Tax Rate Formula – EAT Triangle











#### Residential







## Residential Commercial







Residential
Commercial
Industrial







Residential

Commercial

Industrial

Agricultural







#### Sell





#### Sell Lease or Rent







Sell
Lease or Rent
Use







Sell
Lease or Rent
Use

**G**ive Away







Sell

Lease or Rent

**U**se

**G**ive Away

**E**nter or Leave







Sell

Lease or Rent

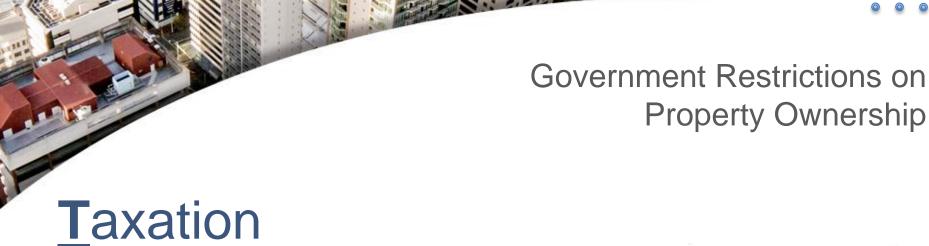
**U**se

**G**ive Away

**E**nter or Leave

Refuse to do any of these











#### **T**axation

#### **E**minent Domain





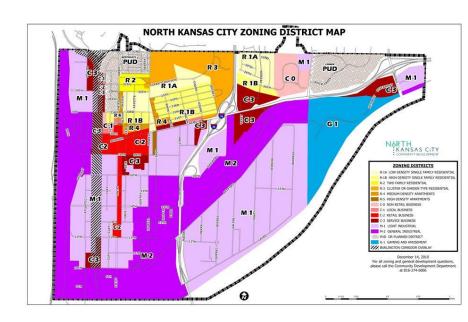


#### Government Restrictions on Property Ownership

**T**axation

**E**minent Domain

Police Power







Government Restrictions on Property Ownership

**T**axation

**E**minent Domain

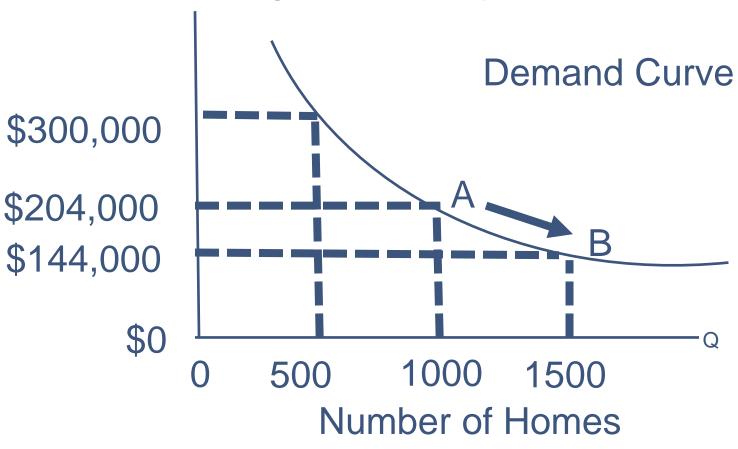
Police Power

**E**scheat



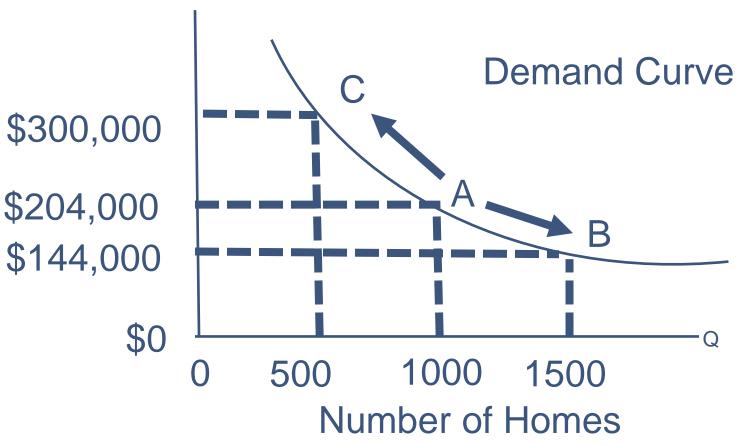














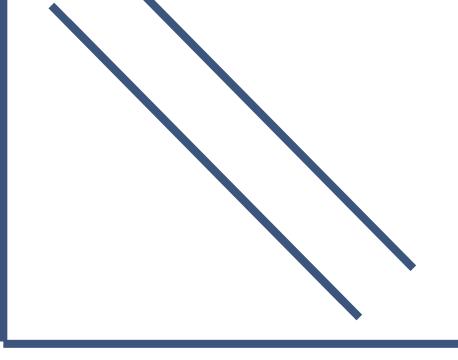
Increase in Consumer Income

Price of Homes

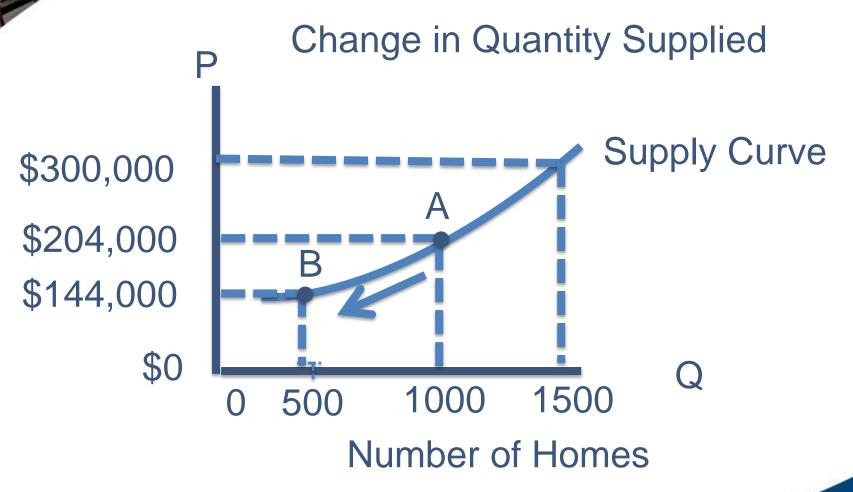


Decrease in Consumer Income

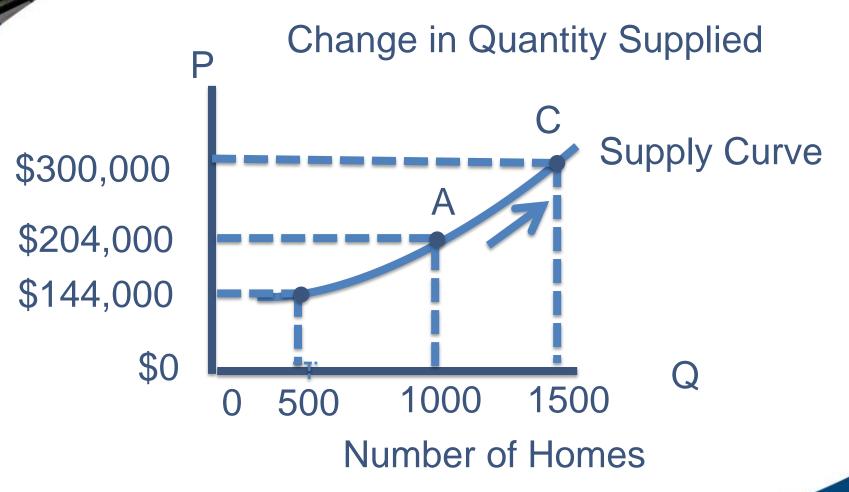
Price of Homes









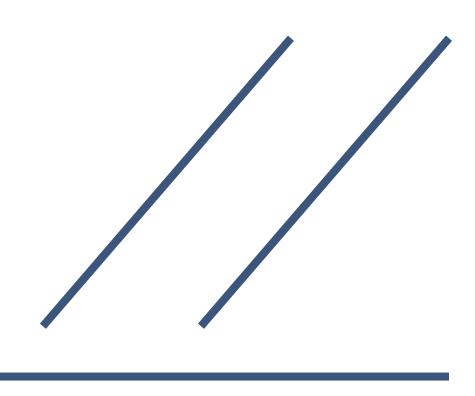






## Decrease in Supply

Price of Homes

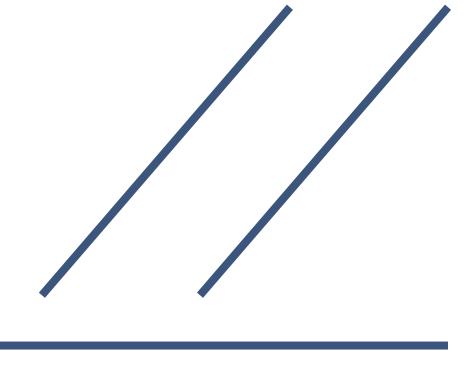






Increase in Supply

Price of Homes







## **Step One: Definition of the problem**

Where

What

Why

When

How





## Step One: Definition of the problem

Identify property to be appraised

Determine property rights to be appraised

Define purpose and intended use of the appraisal

Specify the date of appraisal

Define the type of value



Step One: Definition of the problem

**Step Two: Determine the Scope of Work** 



Step One: Definition of the problem

Step Two: Determine the Scope of Work

Step Three: Preliminary survey and planning

**Estimate tentative or final Highest and Best Use** 

Determine which data will need to be collected

Consider the 3 approaches to value

Allocate time and resources



Step One: Definition of the problem

Step Two: Determine the Scope of Work

Step Three: Preliminary survey and planning

**Step Four: Collect Data** 

**General** 

**Specific** 

Comparative



Step One: Definition of the problem

Step Two: Determine the Scope of Work

Step Three: Preliminary survey and planning

Step Four: Collect Data

Step Five: Highest and Best Use Analysis
Value as if vacant AND as if improved



Step One: Definition of the problem

Step Two: Determine the Scope of Work

Step Three:- Preliminary survey and planning

Step Four: Collect Data

Step Five: Highest and Best Use Analysis

**Step Six: Apply Approaches to Value** 



Step One: Definition of the problem

Step Two: Determine the Scope of Work

Step Three: Preliminary survey and planning

Step Four: Collect Data

Step Five: Highest and Best Use Analysis

Step Six: Apply Approaches to Value

**Step Seven: Determine value** 



# IAAO Annual Conference

Tampa, Florida August 28-31, 2016

