



Math Placement Exam (ALEKS at the UofA, part I)

Workshop on the Transition from High
School to College

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ALEKS is:

- Assessment and LEarning in Knowledge Spaces (ALEKS) is a Web-based, artificially intelligent assessment and learning system.
- ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course.
- ALEKS then instructs the student on the topics she is most ready to learn.

(Above is “borrowed” from www.aleks.com)



UofA uses:

- The University of Arizona requires the ALEKS Placement Exam to assess a student's prerequisite knowledge for placement into a UofA math course at or below the Calculus I (Math 124/125) level, as well as courses in other areas (ENGR, MCB, LING, PHYS, CHEM).
- Math 100, 100AX, and 100B are ALEKS based courses.



Give ALEKS a try

- Go to www.aleks.com and log in.
- ALEKS does not use multiple choice questions. To help us get comfortable with entering solutions into ALEKS, try the ALEKS tutorial.
- When you are ready, try the ALEKS Prep for Calc assessment.



Assessment Aftermath:

- Adaptive Questions in action...
- Setting Boundaries...
- Other Comments...



Placement

Course	ALEKS Alg.	ALEKS Calc	% Students
Math 100	30%	25%	20-25%
College Algebra	55%	45%	25-30%
Pre-Calculus	88%	65%	10-15%
Calculus	na	75%	20-25%



psst...pass it on

- Take the exam around May
- Review before testing! See <http://math.arizona.edu/academics/placement/review.html>
- Pick the right test
- A free trial is available through ALEKS www.aleks.com
- Retests are available
- Other info and FAQ at math.arizona.edu/placement/mpt



Moving Forward

- How should we advise students to ensure accurate placement?
- Could we involve teachers?
- How do we disseminate the information to students? to teachers?



Math 100 Series (ALEKS at the UofA, part 2)

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to College



Math 100

- 30% (25%) required on placement exam
- 3 Credit Course (elective credit - does not satisfy math requirement)
- ALEKS based with virtual classrooms (3hrs per week) staffed with undergraduate TAs
- Final Exam can be used for placement - with the goal to get into college algebra (or equivalent level)



Math 100AX/B

- Placement exam required (no min. score)
- Math 100AX - 2 Credit Course (elective credit - does not satisfy math requirement - does not count towards GPA)
- Math 100B - 2 Credit Course (elective credit - does not satisfy math requirement)
- ALEKS based with virtual classroom (2 hrs per week) staffed with undergraduate TAs.
- Final Exam for Math 100B can be used for placement



ALEKS Learning Mode

- **ALEKS reports**
- **Choose your own mathematical adventure**