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

<table>
<thead>
<tr>
<th>Course</th>
<th>ALEKS Alg.</th>
<th>ALEKS Calc</th>
<th>% Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 100</td>
<td>30%</td>
<td>25%</td>
<td>20-25%</td>
</tr>
<tr>
<td>College Algebra</td>
<td>55%</td>
<td>45%</td>
<td>25-30%</td>
</tr>
<tr>
<td>Pre-Calculus</td>
<td>88%</td>
<td>65%</td>
<td>10-15%</td>
</tr>
<tr>
<td>Calculus</td>
<td>na</td>
<td>75%</td>
<td>20-25%</td>
</tr>
</tbody>
</table>
psst...pass it on

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

Workshop on the Transition from High School 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