| **Virginia Board of Education Agenda Item** | **Seal of the Commonwealth of Virginia** |
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# Agenda Item: H

## Date: November 15, 2018

### Title: First Review of Recommended Cut Scores for the End-of-Course Standards of Learning Tests in Algebra I, Geometry, and Algebra II Based on the 2016 Mathematics Standards

#### Presenter: Mrs. Shelley Loving-Ryder, Assistant Superintendent for Student Assessment and ESEA Programs

#### Email: Shelley.Loving-Ryder@doe.virginia.gov Phone: (804) 225-2102

## Purpose of Presentation:

Action required by state or federal law or regulation.

## Executive Summary:

In 2018-2019 new Standards of Learning (SOL) tests measuring the 2016 mathematics content standards will be administered. Because of the changes in the content measured by these tests, the Virginia Board of Education must adopt new passing scores. Consistent with the process used in 1998 and in 2011-2012, committees of educators were convened in November 2018 to recommend to the Board of Education (BOE) minimum "cut" scores for the achievement levels of *pass/proficient* and *pass/advanced* for the Algebra I, Geometry, and Algebra II SOL tests.

## Action Requested:

Action will be requested at a future meeting. Specify anticipated date below:

## Date: January 24, 2019

## Superintendent’s Recommendation:

The Superintendent of Public Instruction recommends that the Board of Education accept for first review recommendations from the standard setting committees for cut scores for the achievement levels of *pass/proficient* and *pass/advanced* for the end-of-course Algebra I, Geometry, and Algebra II SOL tests.

## **Background Information and Statutory Authority:**

In 2018-2019 new Standards of Learning (SOL) tests measuring the 2016 mathematics content standards will be administered. Because of the changes in the content measured by these tests, new passing scores must be adopted by the Virginia Board of Education. Consistent with the process used in 1998 and in 2011- 2012, committees of educators were convened in November 2018 to recommend to the Board of Education (BOE) minimum "cut" scores for the achievement levels of *pass/proficient* and *pass/advanced* for the Algebra I , Geometry, and Algebra II tests. Information about the range of cut scores recommended by the committees for the achievement levels of *pass/proficient* and *pass/advanced* for the Algebra I, Geometry, and Algebra II tests is contained in Attachment A.

## Previous Review or Action:

Previous review and action. Specify date and action taken below:

Date: January 12, 2012

Action: The Board approved cut scores for the Algebra I, Geometry, and Algebra II tests based on the 2009 mathematics Standards of Learning

## **Timetable for Further Review/Action:**

The Board will be asked to adopt cut scores for the Algebra I, Geometry, and Algebra II tests based on the 2016 mathematics SOL at the January 18, 2019 meeting.

## Impact on Fiscal and Human Resources:

Costs associated with the implementation of new cut scores for the Algebra I, Geometry, and Algebra II tests will be covered by existing funds.

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# Attachment A

## Summary and Background Information on Proposed Cut Scores for the End-of-Course Mathematics Tests Based on the 2016 Standards of Learning

|  | **Pass/Proficient** | **Pass/Advanced** |
| --- | --- | --- |
|  | **Background** **Information** | **Standard Setting Summary** | **Background** **Information** | **Standard Setting Summary** |
| **Test****Name \*** | Pass/Proficient Cut Score for Previous Mathematics Test**\*\*** | Pass/Proficient Cut Score for New Test to Maintain Previous Levelof Rigor\* | Round 3Median for Proficient\* | Articulation CommitteeRecommendation\* | Pass/Advanced Cut Scorefor Previous MathematicsTest\*\* | Pass/Advanced Cut Score for New Test to Maintain Previous Level of Rigor\* | Round 3Median for Advanced\* | Articulation CommitteeRecommendation\* |
| Algebra I | 25 out of 50 | 21 out of 45 | 20 out of 45 | 20 out of 45 | 45 out of 50 | 41 out of 45 | 40 out of 45 | 40 out of 45 |
| Geometry | 25 out of 50 | 23 out of 45  | 20 out of 45 | 20 out of 45 | 44 out of 50 | 40 out of 45 | 40 out of 45 | 40 out of 45 |
| Algebra II | 27 out of 50 | 23 out of 45 | 24 out of 45 | 24 out of 45 | 43 out of 50 | 37 out of 45 | 40 out of 45 | 40 out of 45 |

 **\*** Tests based on the 2016 Mathematics Standards of Learning have 45 items

 **\*\*** Tests based on the 2009 Mathematics Standards of Learning have 50 items