2016 Mathematics Standards of Learning

Algebra Readiness Formative Assessment

# 1A.4c

1.  is a formula which can be used to find the area (*A*) of a trapezoid in which *h* represents height, and and  represent the bases of the trapezoid. Using algebraic properties, solve the formula for height (*h*).
2. The formula for the finding the perimeter of a rectangle can be represented as

. Where *l* represents the length and *w* represents the width. Using algebraic properties, solve the formula for width (*w*).

1. The formula for finding the surface area of a square-based pyramid can be represented as.

Select all formulas that are equivalent to this formula.

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1. Solve the formula for *x.*
2. The formula for finding the volume of a cone can be represented as ,  
   where *V* represents the volume, *r* represents the radius, and *h* represents the height. Solve the formula for the height, *h.*

Virginia Department of Education 2018