2016 Mathematics Standards of Learning

Algebra Readiness Formative Assessment

# 8.14a

1. What is the value of  when *x* = 4, *y* = -12, and *z* = -20?
2. James evaluated the following algebraic expression.

 when *x* = 5 and *y* = -2

His work is shown here.



James made a mistake while evaluating this expression. Identify his mistake and rework the problem to obtain the correct answer.

1. What is the value of when *n* = -8?
   1. -2048
   2. -384
   3. 384
   4. 2048
2. What is the value of  when *p* = 3, *q* = 17, and *r* = 8?
   1. 3
   2. 9
   3. 15
   4. 27
3. What is the value of  when *k* = -2?
   1. -7
   2. 
   3. 
   4. 7

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