

**2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment**

6.6c – NO CALCULATOR

1. The work of three students in Mrs. Wray’s 6th grade class is shown below:

Abby’s work	Ben’s work	Charice’s work
$2 - 12 \div 6 \bullet 2$ $2 - 2 \bullet 2$ $0 \bullet 2$ 0	$2 - 12 \div 6 \bullet 2$ $2 - 2 \bullet 2$ $2 - 4$ -2	$2 - 12 \div 6 \bullet 2$ $2 - 12 \div 12$ $2 - 1$ 1

- Which student calculated the problem correctly?
- What was their solution
- Identify the mistakes made by the other two students

2. Which of the following has a value of -2

$\frac{5+3}{4}$	$\frac{7-11}{2}$	$-4(9-3) \div 12$
$\frac{2^3}{-4}$	$ 16-18 -4$	$5(9-6) \div 15$

3. Using the order of operations, what is the second operation that should be formed in the problem below –

$$4^2 + (10 - 7) \bullet 3$$

- A. 4^2
- B. $(10-7)$
- C. $3 \bullet 3$
- D. $16 - 9$

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4. Evaluate $\frac{18}{9} + 2(3 + 4)$

A. 12

B. 16

C. 17

D. 18

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