

2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

8.14b

1. Simplify the algebraic expression, $\frac{1}{3}(5x+6) - \frac{2}{3}(6x-3)$.

Answer: _____

2. Select all the expressions that would be equivalent to $-3x+10$ when completely simplified.

$2 + \frac{-6x+16}{2}$	$-3(-x+3) - x+1$
$\frac{1}{3}(-6x+15) - x - 5$	$2(x+4) - 5x+2$

3. Simplify the algebraic expression, $-2(x+7) - 3(4-2x)$.

Answer: _____

4. Simplify the algebraic expression.

$$-9(-8p+12) - 6p$$

- A. $-14p+3$
B. $64p+12$
C. $66p-108$
D. $126p-108$
5. Simplify the algebraic expression. $\frac{3}{2}m - \frac{4}{5} - \frac{1}{2}m + \frac{6}{5}$

- A. $m + \frac{2}{5}$
B. $2m+2$
C. $m+2$
D. $2m + \frac{2}{5}$