

Grade 7 Mathematics  
Secondary Education  
MAFS.7.EE.1.1



Calculator Allowed  
for this Standard

Name: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

1. What is the sum of the two expressions?  $\left(\frac{3}{7}x + 4\right) + \left(\frac{1}{7}x - 2\right)$

2. Write an equivalent expression by combining like terms.  $\left(\frac{4}{5}x + 3\right) - \left(\frac{1}{4}x - 1\right)$

3. Write an equivalent expression by combining like terms.  $6\left(\frac{2}{3}x + 7\right) - \left(\frac{1}{3}x - 1\right)$

4. Select all expressions equivalent to  $5\left(\frac{4}{5}x + 6\right) + (8x + 24)$ .

A.  $66x$

B.  $2(6x + 27)$

C.  $3(4x + 18)$

D.  $12x + 30$

E.  $6(2x + 9)$

5. Which expression is equivalent to  $4\left(\frac{1}{3}x - 1\right) - 3\left(\frac{2}{5}x - 3\right)$ ?

A.  $\frac{2}{15}x + 5$

B.  $\frac{2}{15}x - 4$

C.  $\frac{2}{15}x - 13$

D.  $\frac{2}{15}x - 10$