

MPM2D - Basic Skills Review

1. Simplify each expression. No decimal answers.

a. $-9 - (-9) =$

b. $-7 + 2 =$

c. $4 \div (-2) =$

d. $(-6)(2) =$

e. $8 - (-6) =$

f. $-9 \div 3 =$

g. $3 - 9 =$

h. $5(-4) =$

i. $-7 - 7 =$

j. $-16 \div (-4) =$

k. $6 + (-9) =$

l. $3 \div (-6) =$

m. $-7 - (-2) =$

n. $9 \div (-1) =$

o. $-10(-2) =$

2. Simplify each expression.

a. $(x^2 - 2x + 4) - (4x^2 - 4x - 1)$

b. $4(x - 2) + 6(x + 3)$

c. $2x(x + 4y) - y(3x - 8y)$

3. Complete each question below. All final answers must be in lowest terms.
No mixed fractions or decimal answers.

a. $\frac{4}{3} + \frac{4}{9}$

b. $\frac{5}{9} - \frac{4}{15}$

c. $\frac{6}{7} \times \frac{1}{3}$

d. $2 + \frac{4}{5}$

e. $4 \times \frac{1}{6}$

f. $\frac{2}{3} \div \frac{3}{4}$

g. $\frac{5}{6} + \frac{3}{4} - \frac{1}{3}$

h. $2\frac{3}{5} \times \frac{6}{7} \div \frac{-4}{5}$

4. Solve for x.

a. $3x - 5 = 10$

b. $4 - x = -2 - 5x$

c. $\frac{x}{5} = 13$