

11-15-18 (Period 3 Only)

Aim: SWBAT simplify expressions with rational numbers.

HW: Packet Page 18

Quiz tomorrow

Do Now: Correct hw

HOMEWORK

Simplify each expression.

1) $-3(-7x + 5) - 2(3x - 6)$

$$21x - 15 - 6x + 12$$

$$15x - 3$$

2) $(-50x + 4) + 3(7x - 25)$

$$-50x + 4 + 21x - 75$$

$$-29x - 71$$

3) Find the sum of $5x - 12$ and $14x - 13$.

$$[(5x - 12) + (14x - 13)]$$

$$5x - 12 + 14x - 13$$

$$19x - 25$$

4) Find the difference of $7x + 9$ and $15x - 19$.

$$[(7x + 9) - (15x - 19)]$$

$$7x + 9 - 15x + 19$$

$$-8x + 28$$

Aim: SWBAT simplify expressions with rational numbers.

Do Now: Simplify each expression.

A) $(-5.7x + 8.6) - (15.2 + 2.5x)$

B) $\left(\frac{3}{4}x - \frac{1}{4}\right) - \left(\frac{3}{4}x - \frac{5}{6}\right)$

CLASSWORK:

Simplify each expression.

1) $(-0.5) - 0.8x - 2.34 + 2.5x$

$$1.7x - 2.84$$

2) $\left(\frac{1}{5}x - \frac{1}{2}\right) + \left(\frac{3}{5}x - \frac{6}{10}\right)$

$$\frac{4}{5}x - \frac{11}{10}$$

3) $\frac{2}{3}x - \frac{1}{2} + \frac{1}{6}x - \frac{1}{4}$

$\frac{5}{6}x - \frac{3}{4}$

4) $-2.2 + 3.47y - 1.3 + 2.05y$

$5.25y - 3.5$
 $5.52y - 3.5$

5) $-3.72x + 10.2 - 1.5 - 2.05x$

$-5.77x + 8.7$

6) $-2.27x + 5.2 + 1.48 - 8.5x$

$-10.77x + 6.68$

7) $\frac{7}{10} - \frac{2}{3}x + 0.4 - \frac{1}{3}x$

$-x + \frac{11}{10}$

8) $\frac{6}{5}x - \frac{3}{8} + \frac{3}{8} - \frac{1}{3}x$

$\frac{13}{15}x$

9) $(0.2x + 0.8) - (2\frac{1}{2} - \frac{4}{5}x)$
 $0.2x + 0.8 - 2\frac{1}{2} + \frac{4}{5}x$
 $x - \frac{17}{10}$

10) $(\frac{1}{8}x + \frac{1}{2}) - (\frac{3}{4}x - \frac{1}{2})$
 $\frac{1}{8}x + \frac{1}{2} - \frac{3}{4}x + \frac{1}{2}$
 $-\frac{5}{8}x + 1$

11) $(\frac{5}{6}x + 1\frac{1}{3}) + (\frac{2}{3}x - 1\frac{5}{6})$

$1\frac{5}{6}x + \frac{4}{3} + \frac{2}{3}x - 1\frac{5}{6}$

$\frac{7}{6}x - \frac{1}{3}$

$\frac{7}{2}x - \frac{1}{2}$

12) $(3.2x + 5.8) - (2\frac{1}{5}x - 3\frac{1}{2})$

$3.2x + 5.8 - 2\frac{1}{5}x + 3\frac{1}{2}$
 $x + 9.3$

$5\frac{2}{5}x + 9\frac{3}{10}$
 $5.4x + 9.3$

HOMEWORK

Simplify each expression.

1) $-5.31x + 8.3 - 4.2 - 8.07x$

2) $-20.27x - 5.2 + 3.8 + 12.51x$

3) $\frac{7}{10} - \frac{2}{5}x + 0.3 - \frac{1}{5}x$

4) $\frac{9}{12}x - \frac{3}{8} + \frac{3}{8} - \frac{1}{3}x$

5) $(0.4x + 0.3) + \left(\frac{1}{2} - \frac{4}{5}x\right)$

6) $\left(\frac{1}{9}x + \frac{1}{5}\right) - \left(\frac{2}{3}x - \frac{1}{7}\right)$