

11-19-18

Period 3 - SWBAT have a quiet study hall.

HW: Quiz tomorrow

Period 8 - Aim: SWBAT simplify expressions with rational numbers.

HW: Packet Page 18

Quiz tomorrow

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

$$-5.7x + 8.6 + 15.2 + 2.5x$$

$$-8.2x + 23.8$$

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

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

$$-\frac{1}{4} + \frac{5}{6}$$

$$-\frac{3}{12} + \frac{10}{12}$$

$$\frac{7}{12}$$

CLASSWORK:

Simplify each expression.

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

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

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

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

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

$$5.52y - 3.5$$

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

$$-5.77x + 8.7$$

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

$$-10.77x + 6.68$$

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

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

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

$$\frac{13}{15}x$$

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

$$x - \frac{17}{10}$$

$$x - 1.7$$

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

$$-\frac{5}{8}x + 1$$

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

$$\frac{3}{2}x - \frac{1}{2}$$

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

$$x + \frac{93}{10}$$

$$x + 9.3$$

$$\cancel{\frac{1}{2}x}$$

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