

MATH 4: HOMEWORK 25 REVIEW 2
May 3, 2020

[Please remember to write your solutions on a separate quadrille paper]

1. Compute:

(a) $-6 - (-9) =$

(b) $-5 + (-4) =$

(c) $-2 - (7 + (-6)) =$

(d) $-3 - (-6) + (-5) =$

2. Compare:

(a) $-7 ? 3$

(b) $-7 ? (-3)$

(c) $7 ? (-3)$

(d) $-11 ? (-2)$

(d) $-11 ? 11$

(e) $-11 ? 0$

3. Open parenthesis, simplify:

(a) $2(a - 3) - (2a - 9) =$

(b) $12x - (-x - 4) =$

(c) $4y - 2(5 - y) =$

(d) $-2z - (z - 3) + 2(2z - 5) =$

4. Compute:

$$2\frac{7}{12} + 1\frac{7}{16} =$$

$$3\frac{7}{16} - 1\frac{7}{12} =$$

$$2\frac{1}{7} \cdot 1\frac{6}{15} =$$

$$2\frac{4}{9} \div 1\frac{5}{6} =$$

5. Solve equations : *[first open parenthesis, then move all Xs to the left, numbers to the right, find X]*

$$13x + 11 = 2(6x + 1)$$

$$-2x + 9 = -4x + 25$$

$$3(3x - 1) = -2x + 12$$

$$-x + 8 = -4x - 1$$

6. The sum of two numbers is 24. Twice the first plus the second is 26. Find the numbers.