Math 4b. Homework 9.

1. Evaluate: Example: $a.\ \ 7 + (-2) = 5$

   $a.\ (-10) + (+11);$ $b.(-7) + (-6);$ $c.\ (-4) + (+2);$

   $d.\ (-12) + (+3);$ $e.15 - 18;$ $f.\ (-11) + (-20);$

   $g.\ 20 - 21;$ $h.(-100) + (-150);$ $i.\ (-3) + (+4);$

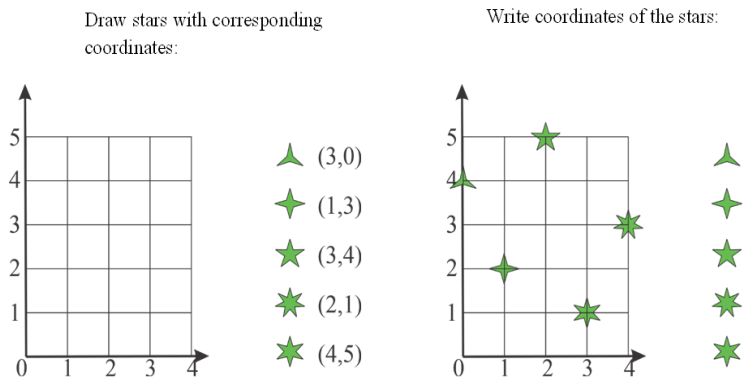
2. Fill the table:

a	20	-15	30	-10	-7
b	7	8	-9	-6	9
$a - b$					
$b - a$					

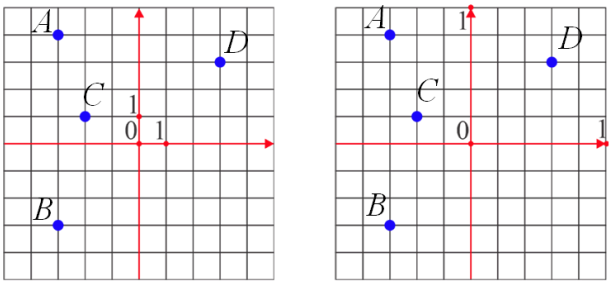
3. In your notebook, on the number line mark the points which absolute value is

   $a.\ |3|;$ $b.\ |5|;$ $c.\ |7|;$ $d.|0|.$

4. Draw the pictures in your notebook.



5. Find coordinates of points A, B, C, D in two different coordinate systems:



6. Evaluate (answer is 4):

$$\left(4\frac{7}{9}-2\frac{5}{6}\right):1\frac{5}{9}+\frac{4}{9}\cdot 6\frac{3}{16}$$

7. Which sign $(+,-,\ \cdot,\ \div)$ should be placed instead of * to make the following equalities true statements.

   $a.\ \frac{7}{8}*1\frac{1}{7}=1$ $b.\ 2*1\frac{1}{3}=\frac{2}{3};$ $c.\ \frac{3}{7}*\frac{4}{7}=\frac{3}{4};$ $d.\frac{3}{10}*\frac{5}{6}=\frac{1}{4};$

8. Evaluate by the most convenient way:

   Example:

   $29\cdot 25+15\cdot 6+19\cdot 15=29\cdot 25+15\cdot(6+19)=29\cdot 25+15\cdot 25=25\cdot(29+15)$
   $=25\cdot 44=25\cdot 4\cdot 11=100\cdot 11=1100$

   $a.\ 12\cdot 17+35\cdot 13+17\cdot 23;$ $b.\ 41\cdot 80-25\cdot 41+55\cdot 29;$

   $c.\ 26\cdot 18+26\cdot 17+14\cdot 35$