

Math 4a. Homework 10.



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

a. $(-10) + (+11);$

b. $(-7) + (-6);$

c. $(-4) + (+2);$

d. $(-12) + (+3);$

e. $(-15) + (+18);$

f. $(-11) + (-20);$

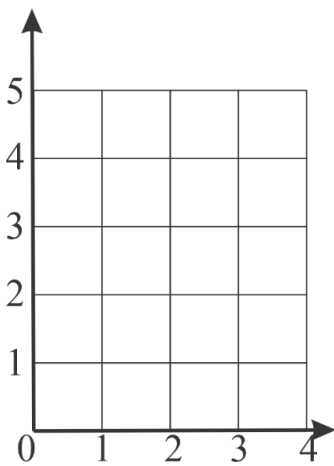
g. $(+20) + (-21);$

h. $(-100) + (-150);$

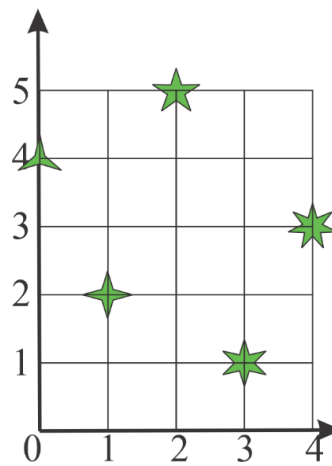
i. $(-3) + (+4);$

2. Draw stars with corresponding coordinates:

Write coordinates of the stars:

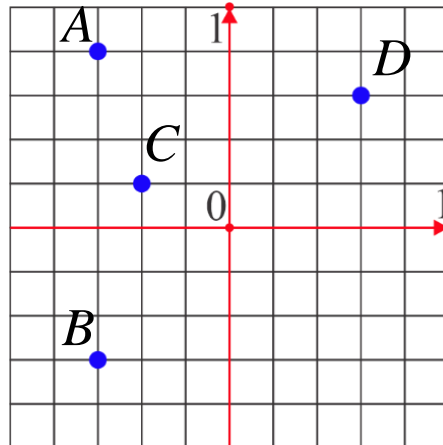
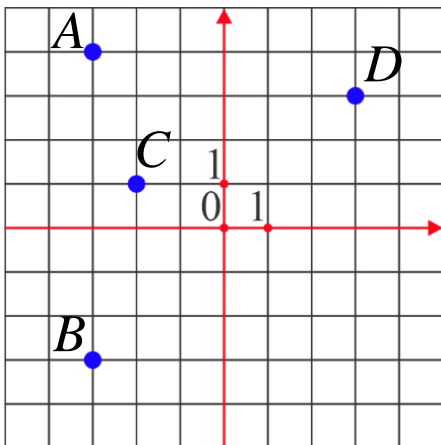


-  (3,0)
-  (1,3)
-  (3,4)
-  (2,1)
-  (4,5)



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



4. What number is

$$-(+5); \quad +(+5); \quad -(+5); \quad -(-(+5)); \quad -(-(-5)); \quad -(-(-(-5)))$$

Example: $-(-7) = 7$; $-(-(-7)) = -7$

5. Compare:

-4	4	6	-4	$\frac{2}{3}$	$-\frac{3}{2}$
-4	-2	-4	0	$-\frac{2}{3}$	-1
-4	-6	-1	$-\frac{1}{2}$	-2	$\frac{1}{2}$

6. Some digits in the numbers were changed for asterisks. Can you compare numbers?

a. $** _ (-1 **)$; b. $8 ** _ 9 **$; c. $7 ** 8 * _ 7 ** 2 *$

7. Mary solved three times as many math problems as Peter did. Together they solved 48 problems. How many problems did each of them solve?

8. There are singers and dancers in our class. $\frac{1}{5}$ of all singers also dance and $\frac{1}{4}$ of all dancers also sing. Are there more singers or dancers in our class?

9. Find two fractions which are

a. greater than $\frac{1}{3}$ but smaller than $\frac{2}{3}$;

b. greater than $\frac{2}{5}$ but smaller than $\frac{3}{5}$;

10. Using the following coordinates mark the points and connect them:

$(1; -4) \rightarrow (0; -4) \rightarrow (1; -3) \rightarrow (1; -6) \rightarrow (3; -6) \rightarrow (2; -5) \rightarrow (3; -1) \rightarrow (2; 2) \rightarrow (4; 3) \rightarrow (5; 4) \rightarrow (3; 4) \rightarrow (2; 5) \rightarrow (1; 5) \rightarrow (0; 6) \rightarrow (0; 5) \rightarrow (-1; 3) \rightarrow (0; 0) \rightarrow (-2; -1) \rightarrow (-3; -4) \rightarrow (-3; -5) \rightarrow (-4; -5) \rightarrow (-5; -4) \rightarrow (-6; -3) \rightarrow (-5; -5) \rightarrow (-3; -6) \rightarrow (1; -6)$, eye $(2; 4)$.

