

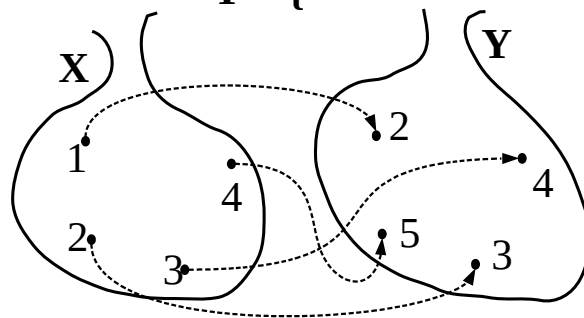
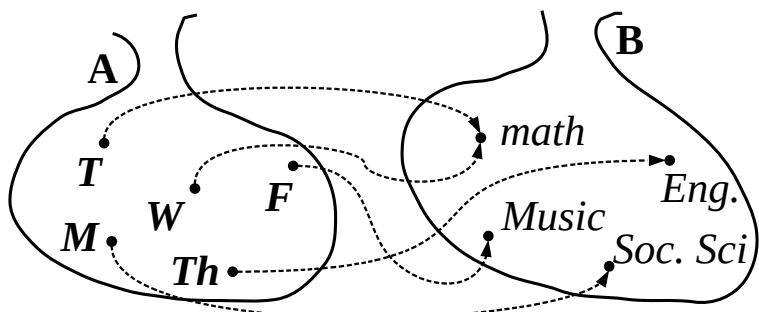
1. Calculate: a). $\frac{1}{1+\frac{1}{3}}$

b). $\frac{1}{2+\frac{1}{1+\frac{1}{3}}}$

c). $\frac{1}{3+\frac{1}{2+\frac{1}{1+\frac{1}{3}}}}$

Functions

2. Analyze pairing of the elements from sets **A** and **B**.



X = {

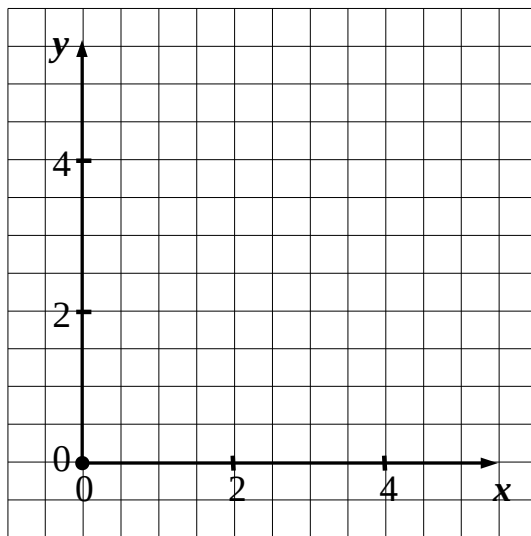
Y = {

Each element of the set **A** is paired with **an only** element from set **B**

Some elements of the set **A** may be paired with the same element of the set **B**

Plot the (x, y) pairs in Cartesian coordinates

3. Fill in the tables and plot the results in Cartesian Coordinates:

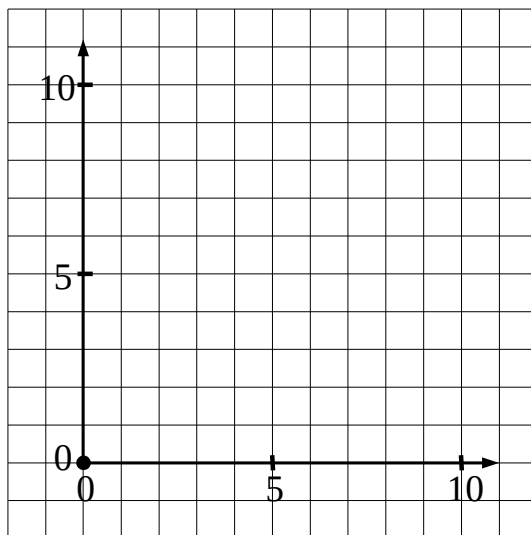
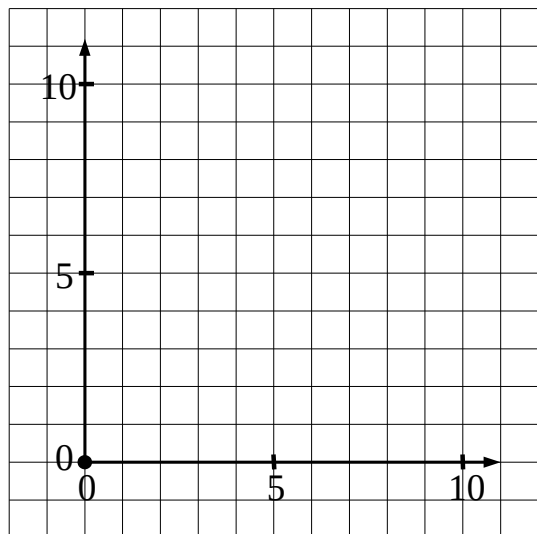


x	1	2	4	6	8
y					

$y = x$

x	1	2	4	5	6
y					

$y = 2x - 1$



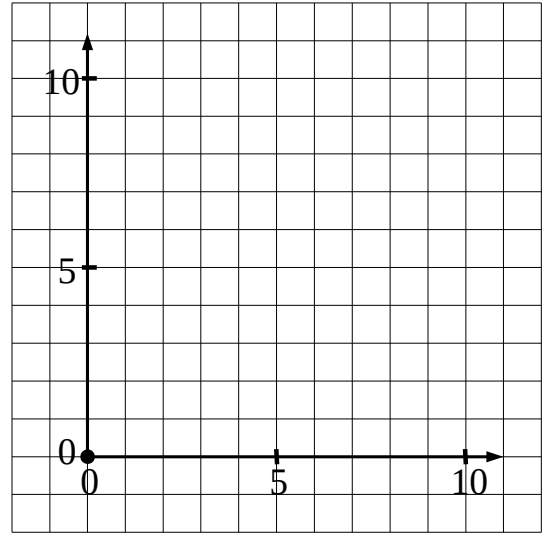
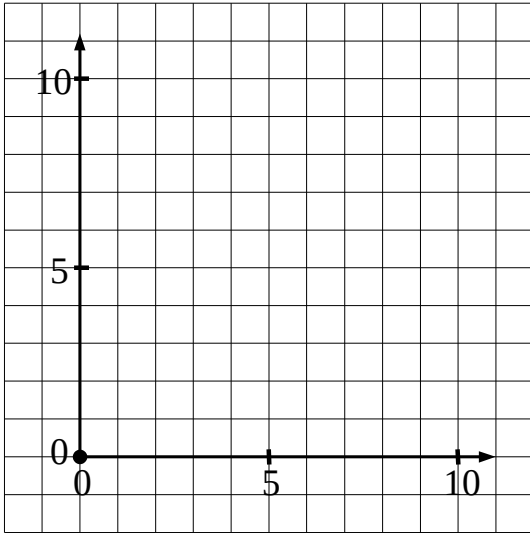
3. Fill in the tables and plot the results in Cartesian Coordinates:

Note: $x^2 = x \cdot x$

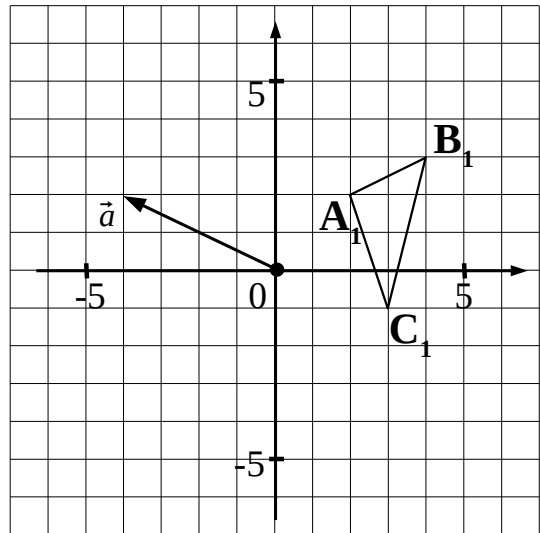
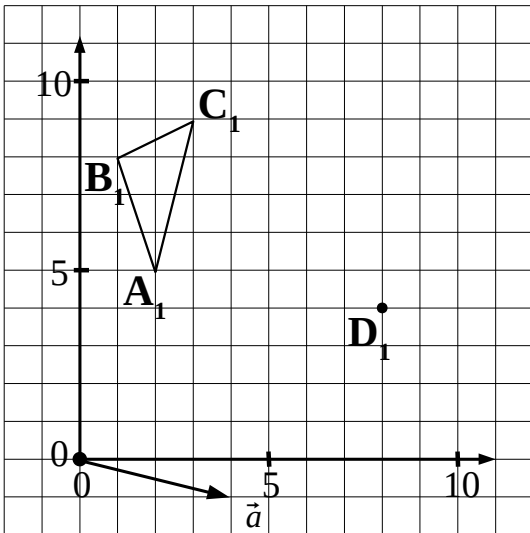
x	1	2	4	6	8
y					

$y = \frac{1}{2}x + 3$ $y = x^2 : 2$

x	1	2	3	4	5
y					



4. Find matching points for the motion define by vector \vec{a} :



5. Solve the equations:

a). $\frac{2020}{x+2} = 101$

b). $\frac{2}{1+\frac{3}{x}} = \frac{1}{2}$

c). $\frac{2016}{x+5} = 63$