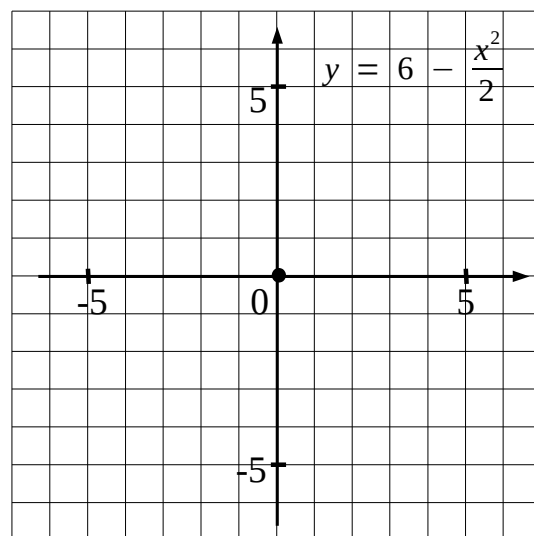
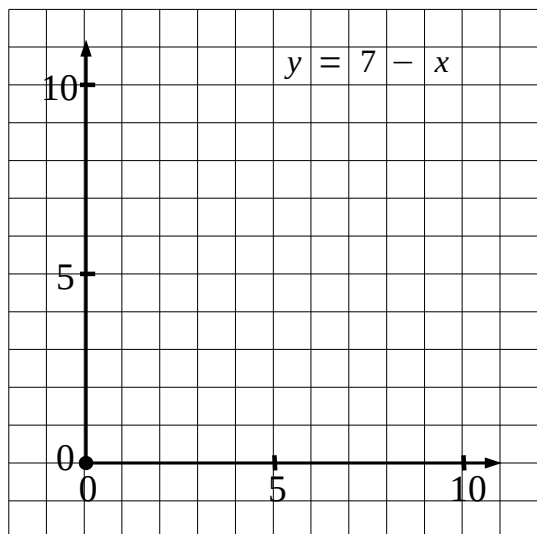


1. Fill in the table and plot graphs for two functions

x	0	2	4	6	8
y					



x	-5	-4	-3	-2	-1	0	1	2	3	4	5
y											

2. Remove parenthesis:

$$w \cdot (w + 3) = \underline{\hspace{2cm}}$$

$$2x \cdot (4x + 2) = \underline{\hspace{2cm}}$$

$$w \cdot (w - 3) = \underline{\hspace{2cm}}$$

$$3x \cdot (1 + 5x) = \underline{\hspace{2cm}}$$

In your notebook:

3. Show that: a) $\frac{1 - 2\frac{4}{5} \times \frac{1}{7}}{(\frac{1}{5} + \frac{1}{10}) \times \frac{2}{3}} = 3$

b) $\frac{1 + \frac{1}{1 + \frac{2}{3}}}{2 + \frac{1}{3 + \frac{1}{4}}} = \frac{52}{75}$

4. Show the solutions of the word problems:

a). A tape transporter moves $1\frac{1}{4}$ km/h. How long will it take to carry luggage to the terminal located $1\frac{1}{2}$ km away from the check-in? (*1 h 12 min*)

b). A man walks $3\frac{3}{4}$ km/h. How long will it take him to walk to the terminal on the tape transporter? (*18 min*)

5. Make an equation to solve the word problem:

There were several airplanes in an airport. Due to a tropical storm twice as many planes had emergency landing in the airport. Next day four more airplanes landed early morning so that the total number of the planes in the airport has become 52. How many airplanes were there in the airport before the storm?