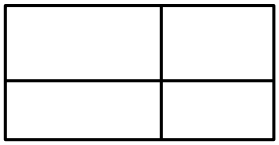
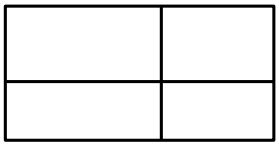
1. Find if present lines and centers of symmetry in the letters of the alphabet:

A, B, C, D, E, F, G, O, S, Z

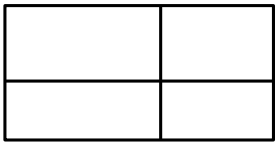
2. Remove parenthesis:



$(2\boldsymbol{x} + 3)\,(\boldsymbol{x} + 2) =$ _____



$(\frac{1}{2}\boldsymbol{x} + 2) \cdot (4\boldsymbol{x} + 6) =$ _____



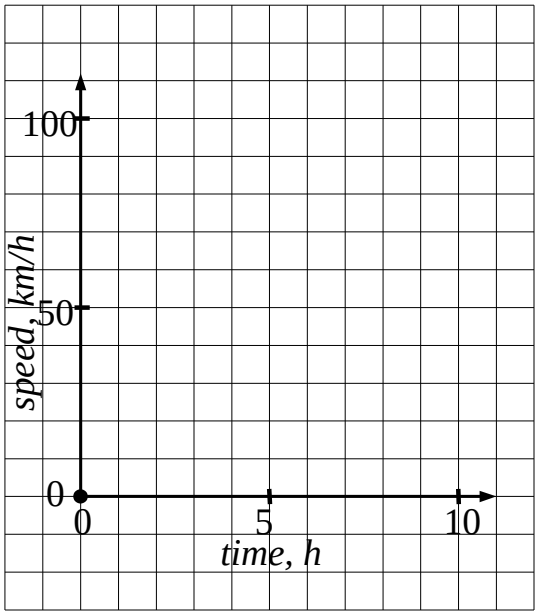
$(\boldsymbol{x} + 2)^2 =$ _____

Graphing motion

3. Make a graph and use it to solve the word problems below:

a). *A truck driver was going along a dirt road from 9 AM till 2 PM at 40 km/h. At 2 PM he finally hit a highway and went 120 km/h for the next three hours. How far did he go altogether?*

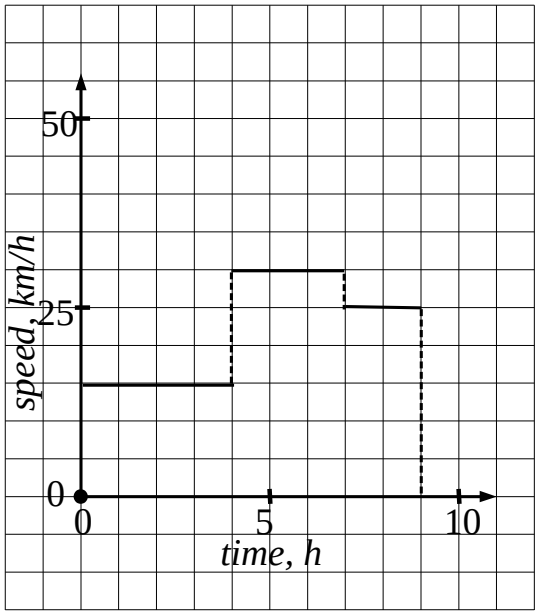
b). *A truck driver was going along a dirt road from 9 AM till 2 PM at 40 km/h. At 2 PM he finally hit a highway and went 120 km/h until finished his 600 km trip. How long did he drive altogether?*



4. Make a graph to sole the following word problem.

A company has been producing 200,000 cars per year for 3 years. After upgrading the production line the productivity increased to 300,000 cars per year. How many cars did the company produce in 7 years?

5. Analyze the graph of a motor boat trip.



What was the initial speed of the boat?

How long did it take the boat to travel 45 km?

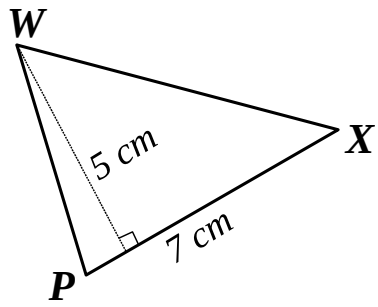
How long did it take the boat to travel 90 km?

How long did it take the boat to travel 120 km?

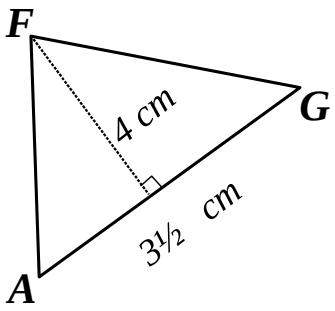
How far did the boat travel in the first 5 hours?

How far did the boat travel in the first 8 hours?

6. Find the areas of the triangles below:



S = _____



S = _____

7.* Find two ways to split trapezoid ***ABCD*** into two triangles to find its area: