

Algebra

Maya

with Ms Carter

15 October 2026

2 chapters, 6 pages

Sample: an invented student and tutor

Contents

Chapter 1	1
15 Oct	6

Chapter 1

Key notes

Chapter 1

Rule: do the same to both sides.

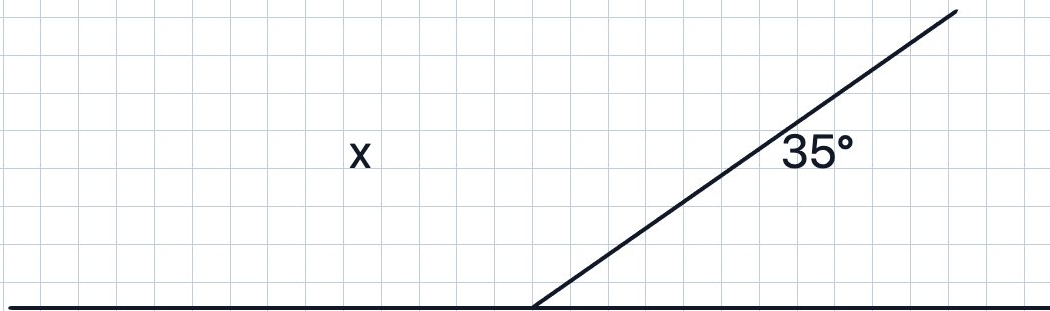
From page 2 →

Solve $2x + 3 = 11$

$$\begin{aligned} 2x &= 11 - 3 \\ 2x &= 8 \\ x &= 4 \end{aligned}$$


Rule: do the same to both sides.

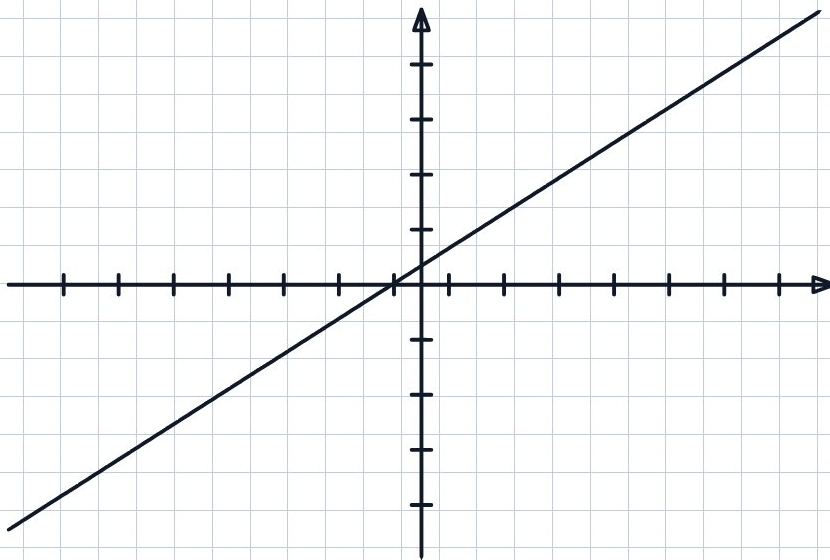
Angles on a straight line. Find x.



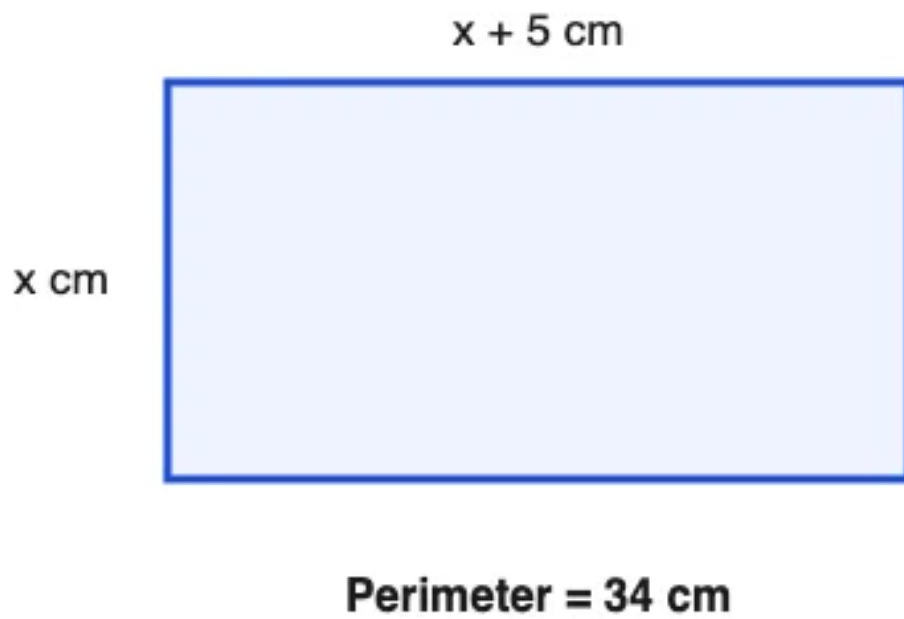
$$x = 180 - 35$$

$$180 - 35 = 145$$

Plot $y = 2x + 1$



Question 3: the rectangle



15 Oct

Linear equations

1 Solve $4(x - 3) = 2x + 10$

[3 marks]

$$4x - 12 = 2x + 10$$

$$2x = 22$$

$$x = 11$$

2 Solve $5(y - 2) = 3y + 8$

[3 marks]

$$5y - 10 = 3y + 8$$

$$2y = 18$$

$$y = 9$$

3 A rectangle is x cm wide and $(x + 5)$ cm long. Its perimeter is 34 cm. Find x .

[3 marks]

4 Make x the subject of $y = 4x - 9$

[2 marks]