Practice edition

Reference sheet - customise the values on zumola.com

Exercise 1: y = (x + 1) / (x - 2)
y = (x + 1) / (x - 2)

Domain: x != 2

Vertical asymptote x=2; horizontal asymptote y=1; zero x=-1. No hole.

CC BY 4.0 / Print at 100%. Check the 100 mm bar before measuring.

100 mm

Practice edition

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Exercise 2: y = (x + 2) / (x - 2)
y = (x + 2) / (x - 2)

Domain: x != 2

Vertical asymptote x=2; horizontal asymptote y=1; zero x=-2. No hole.

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100 mm

Practice edition

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Exercise 3: y = (x + 3) / (x - 2)
y = (x + 3) / (x - 2)

Domain: x != 2

Vertical asymptote x=2; horizontal asymptote y=1; zero x=-3. No hole.

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100 mm

Practice edition

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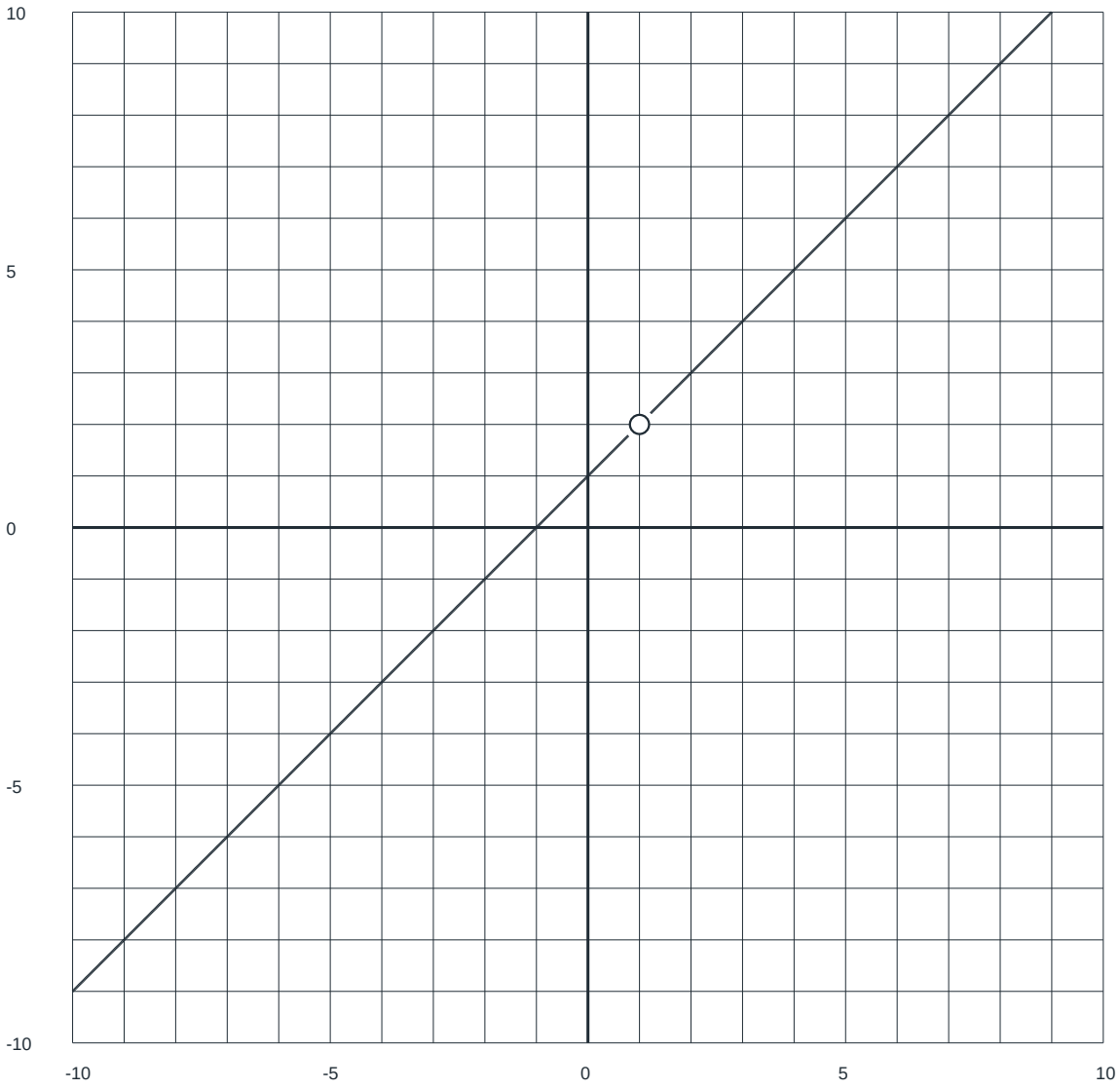
Exercise 4: y = (x^2 - 1) / (x - 1)
y = (x^2 - 1) / (x - 1)



Domain: x != 1

Cancel (x-1): y=x+1, but x=1 stays excluded. Hole (1,2).

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100 mm

Practice edition

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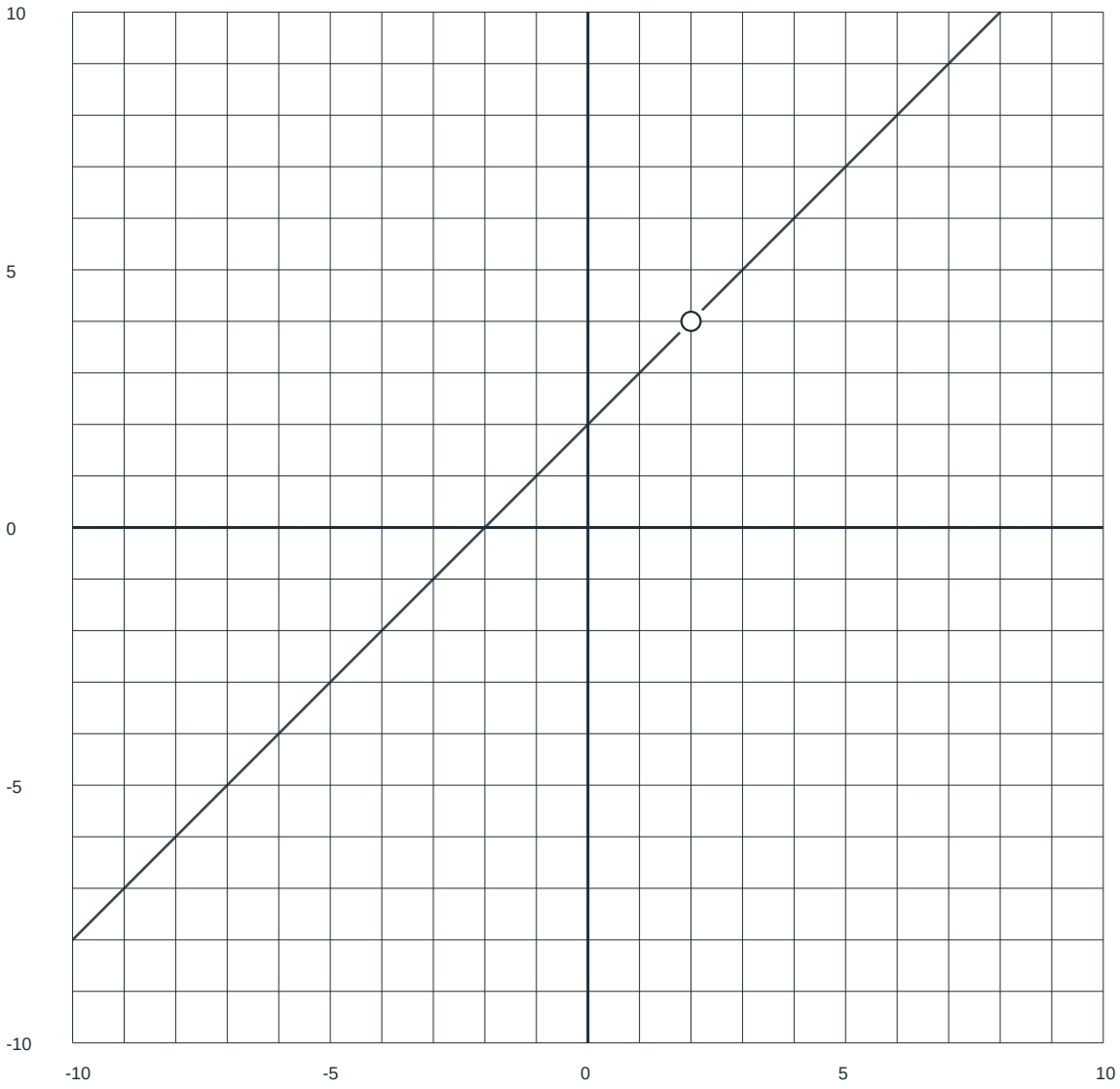
Exercise 5: y = (x^2 - 4) / (x - 2)
y = (x^2 - 4) / (x - 2)



Domain: x != 2

Cancel (x-2): y=x+2, but x=2 stays excluded. Hole (2,4).

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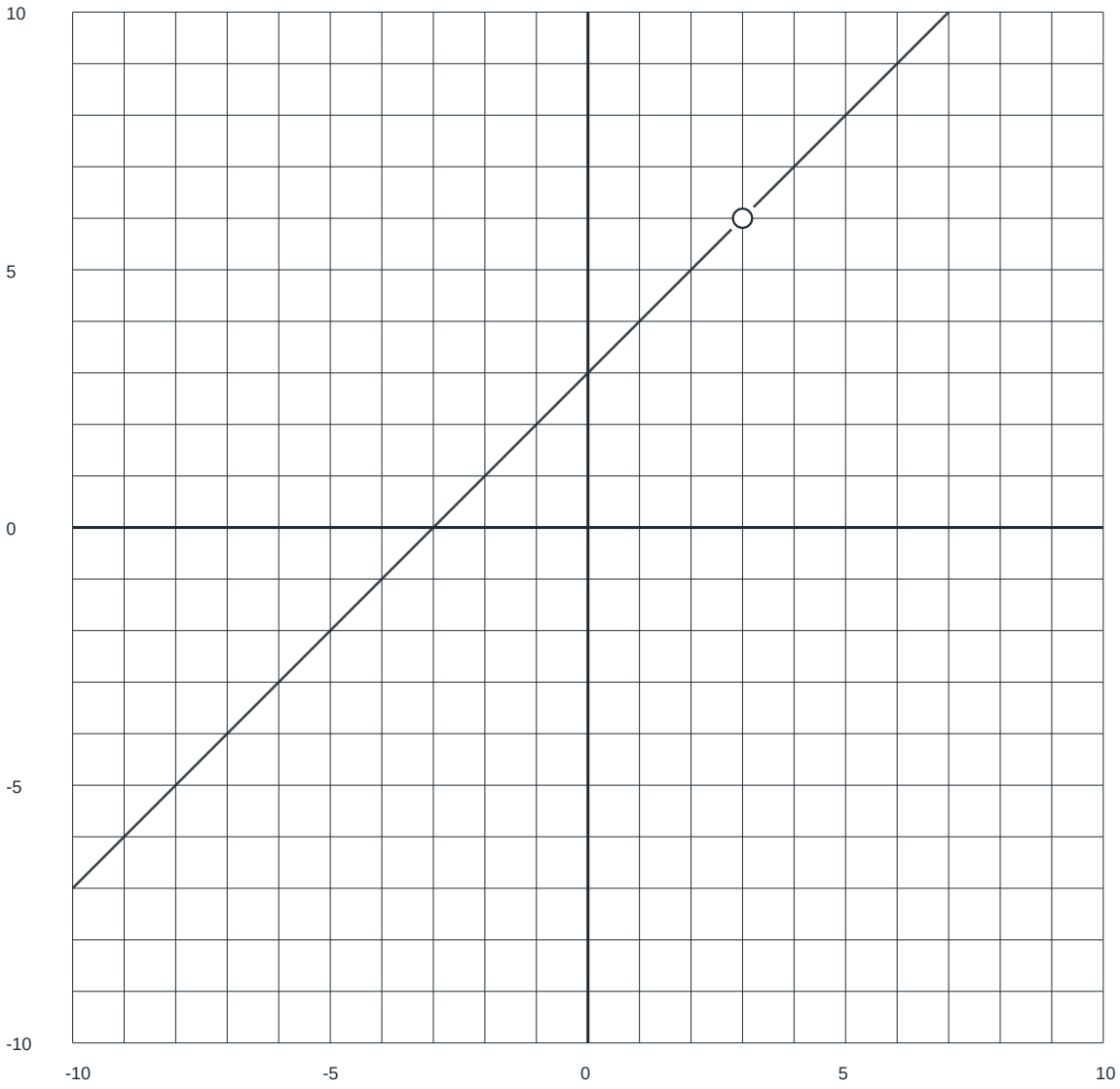
100 mm

Practice edition

Reference sheet - customise the values on zumola.com

Exercise 6: y = (x^2 - 9) / (x - 3)
y = (x^2 - 9) / (x - 3)



Domain: x != 3

Cancel (x-3): y=x+3, but x=3 stays excluded. Hole (3,6).

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100 mm