

Practice edition

Reference sheet - customise the values on zumola.com

Exercise 1: $y = (x + 1)(x - 2)(x - 3)$
 $y = (x + 1)(x - 2)(x - 3)$



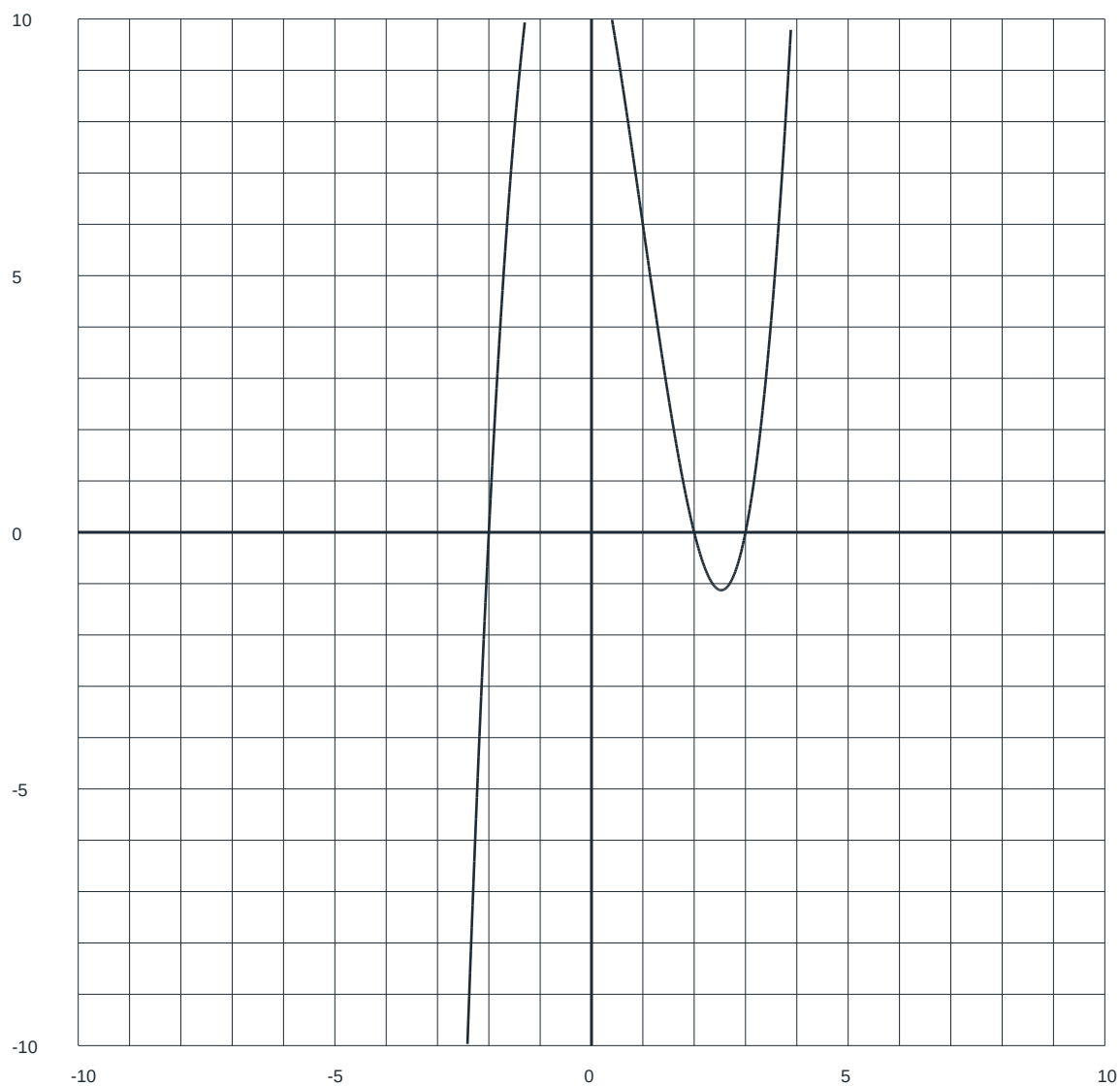
Domain: all real x

Zeros: -1, 2, 3. Positive leading cubic: left end down, right end up.

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



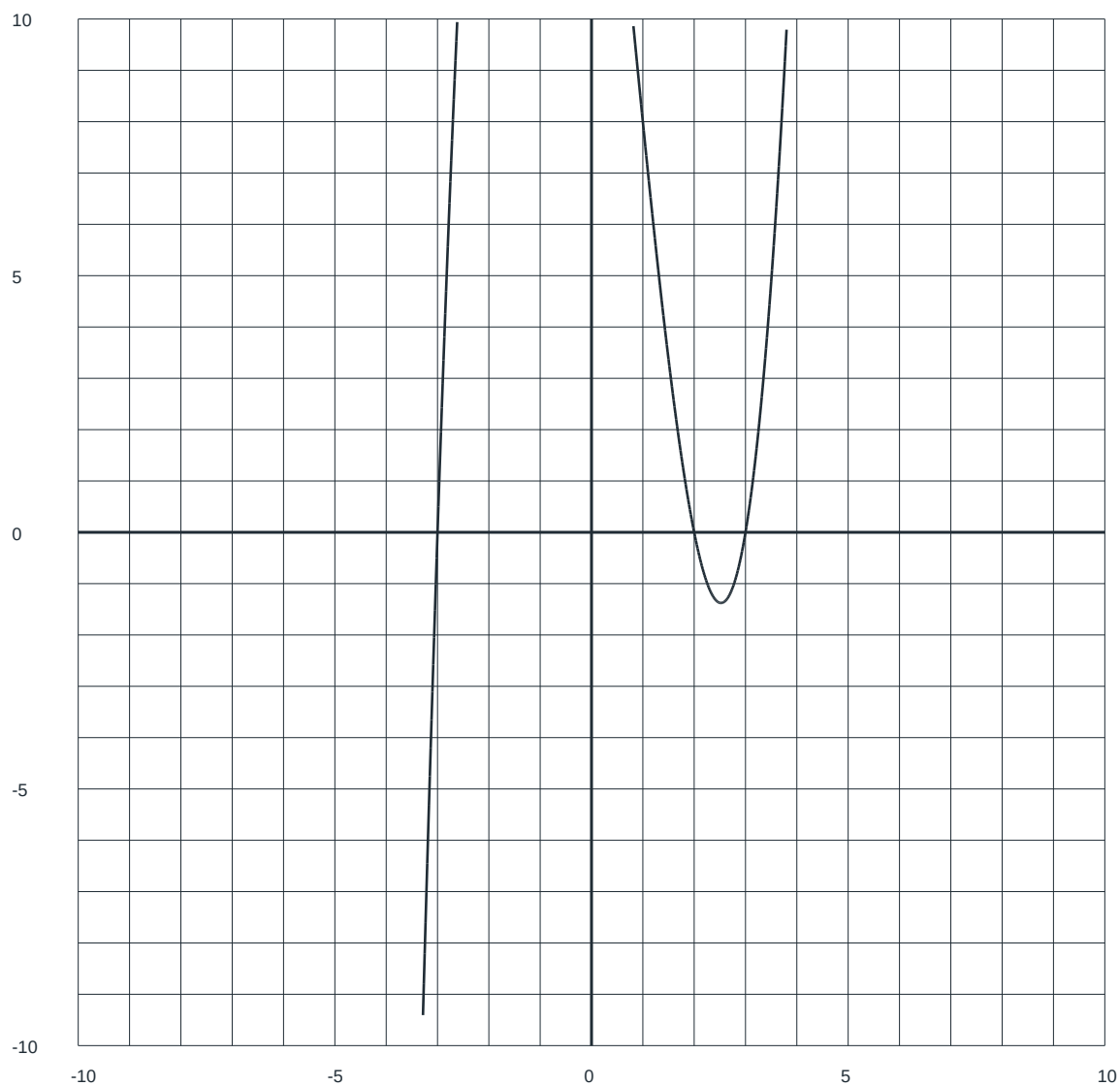
Domain: all real x

Zeros: -2, 2, 3. Positive leading cubic: left end down, right end up.

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



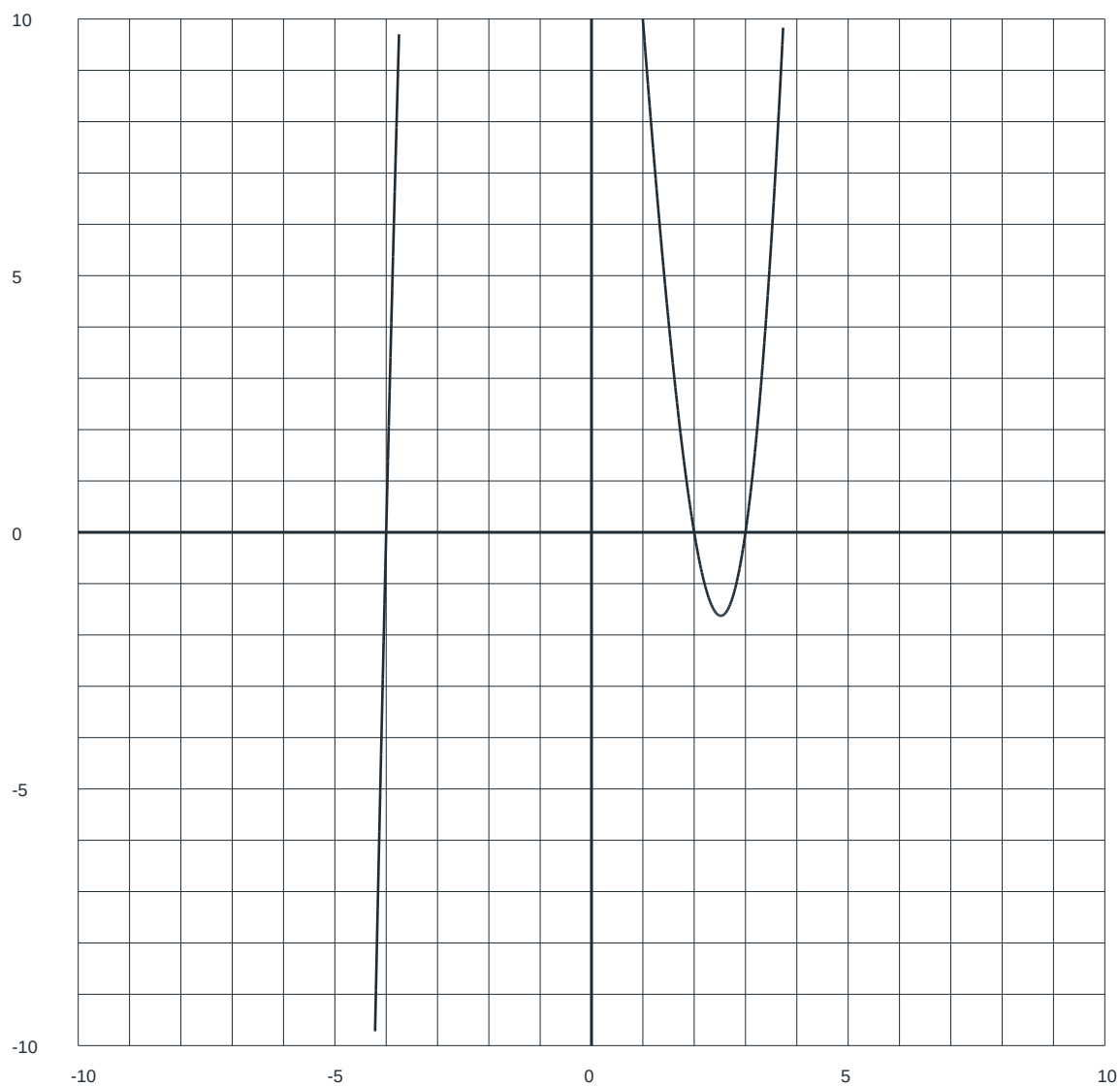
Domain: all real x

Zeros: -3, 2, 3. Positive leading cubic: left end down, right end up.

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Exercise 4: $y = (x + 4)(x - 2)(x - 3)$
 $y = (x + 4)(x - 2)(x - 3)$



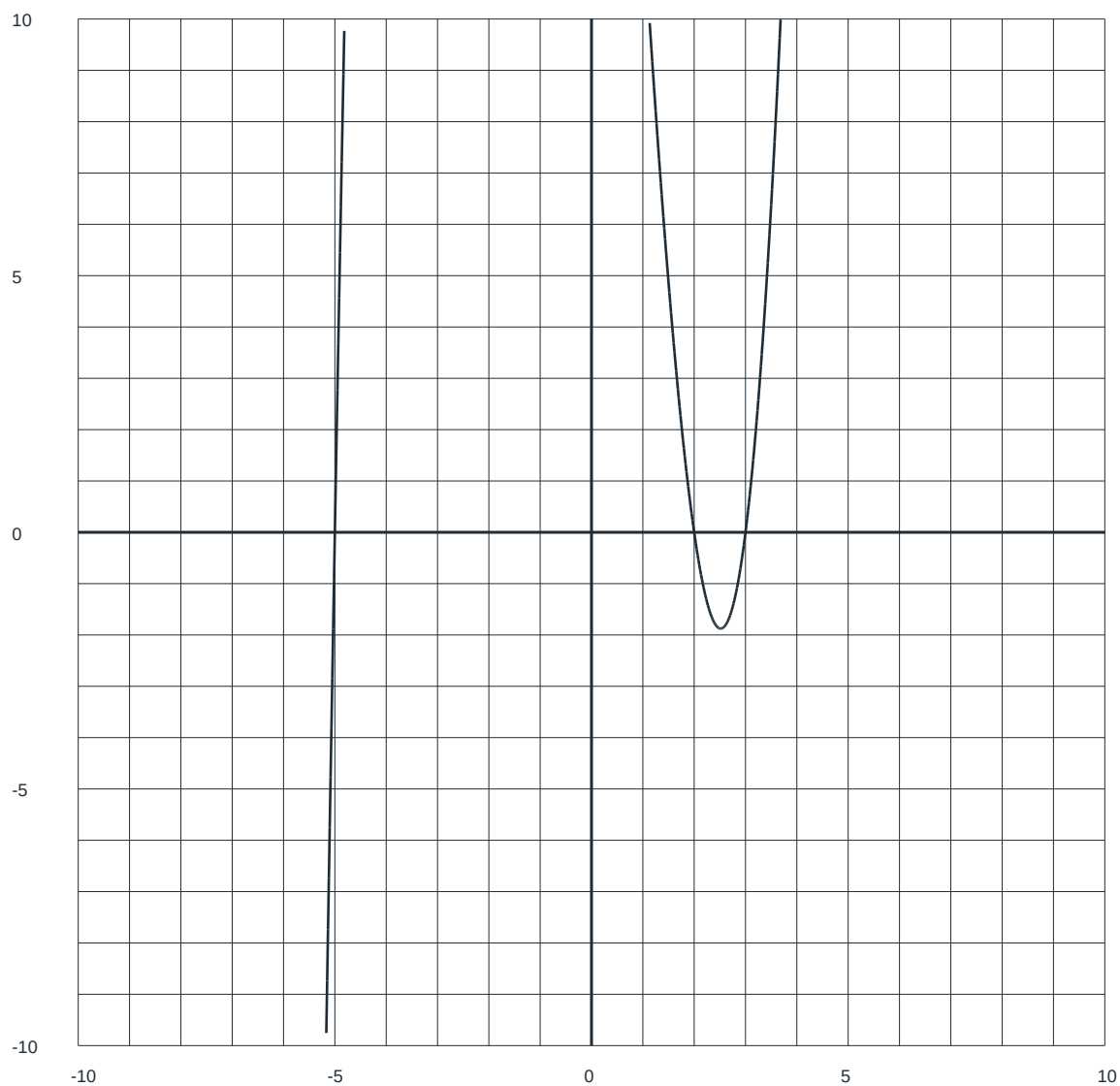
Domain: all real x

Zeros: -4, 2, 3. Positive leading cubic: left end down, right end up.

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Exercise 5: $y = (x + 5)(x - 2)(x - 3)$
 $y = (x + 5)(x - 2)(x - 3)$



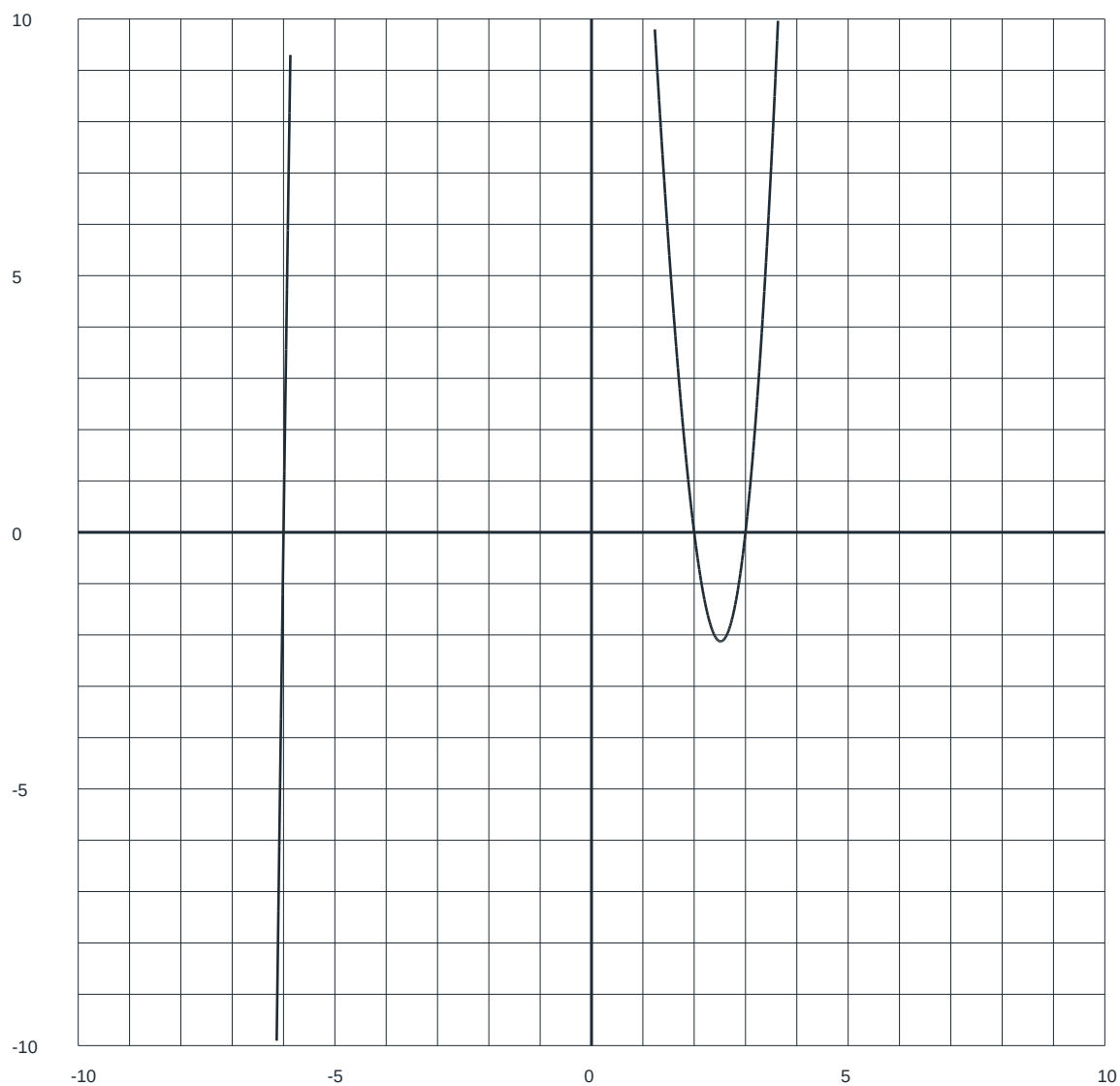
Domain: all real x

Zeros: -5, 2, 3. Positive leading cubic: left end down, right end up.

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Exercise 6: $y = (x + 6)(x - 2)(x - 3)$
 $y = (x + 6)(x - 2)(x - 3)$



Domain: all real x

Zeros: -6, 2, 3. Positive leading cubic: left end down, right end up.