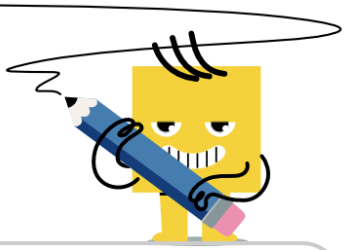
Name

Synthetic Division - Is the Binomial a Factor?



1

$$\frac{x^3 - 4x}{(x - 0)}$$

Use synthetic division to divide this polynomial by this binomial. Is the binomial a factor?

A	B
No	Yes

2

$$\frac{x^3 - 7x + 6}{(x - 4)}$$

Use synthetic division to divide this polynomial by this binomial. Is the binomial a factor?

A	B
Yes	No

3

$$\frac{x^4 + 4x^3 - 9x^2 - 36x}{(x + 2)}$$

Use synthetic division to divide this polynomial by this binomial. Is the binomial a factor?

A	B
Yes	No

4

$$\frac{x^3 - 11x^2 + 40x - 48}{(x - 4)}$$

Use synthetic division to divide this polynomial by this binomial. Is the binomial a factor?

A	B
No	Yes

5

$$\frac{x^3 + 3x^2 - 4}{(x + 2)}$$

Use synthetic division to divide this polynomial by this binomial. Is the binomial a factor?

A	B
Yes	No

6

$$\frac{x^5 + 6x^4 - x^3 - 38x^2 + 32}{(x - 0)}$$

Use synthetic division to divide this polynomial by this binomial. Is the binomial a factor?

A	B
Yes	No

7

$$\frac{x^4 - 2x^3 - 7x^2 - 4x}{(x - 1)}$$

Use synthetic division to divide this polynomial by this binomial. Is the binomial a factor?

A	B
Yes	No

8

$$\frac{x^4 + 3x^3 - 8x^2 - 12x + 16}{(x + 1)}$$

Use synthetic division to divide this polynomial by this binomial. Is the binomial a factor?

A	B
No	Yes