
5.5.	$f'_5(x) = \frac{2x^3 + x}{x^4 + x^2 + 1}$	$f_5(0) = 1$
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$$f_5(x) = \dots\dots\dots$$

5.6.	$f'_6(x) = \frac{2x^3 + x}{(x^4 + x^2 + 1)^2}$	$f_6(1) = 1$
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$$f_6(x) = \dots\dots\dots$$

5.7.	$f'_7(x) = \frac{2x^3 + x}{(x^4 + x^2 + 1)^3}$	$f_7(1) = 1$
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$$f_7(x) = \dots\dots\dots$$

5.8.	$f'_8(x) = \frac{1}{x^2 + 2x + 2}$	$f_8(0) = 0$
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$$f_8(x) = \dots\dots\dots$$

5.9.	$f'_9(x) = \frac{\sin \sqrt[3]{x}}{\sqrt[3]{x^2}}$	$f_9(0) = 2$
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$$f_9(x) = \dots\dots\dots$$

5.10.	$f'_{10}(x) = \frac{\sin \sqrt[5]{x}}{\sqrt[5]{x^4}}$	$f_{10}(0) = 2$
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$$f_{10}(x) = \dots\dots\dots$$

ERRATA: Funkcje f_9 i f_{10} mają być ciągłe na $\mathbb{R}$ i różniczkowalne na $\mathbb{R} \setminus \{0\}$.