

$$\lim_{x \rightarrow 0} \frac{1}{x^2 + 2x + 1}$$

$$\parallel$$

$$\lim_{x \rightarrow 0} 1$$

$$\lim_{x \rightarrow 0} x^2 + \lim_{x \rightarrow 0} 2x + \lim_{x \rightarrow 0} 1$$

$$\parallel$$

$$\frac{1}{1}$$

$$\left[\lim_{x \rightarrow 0} x \right]^2 + 2 \cdot \lim_{x \rightarrow 0} x + 1$$

$$0 + 0 + 1$$

$$\parallel$$

$$1$$

$$\lim_{x \rightarrow 1} 8x^3 + 12x^2 + 6x + 1$$

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$$\lim_{x \rightarrow 1} 8x^3 + \lim_{x \rightarrow 1} 12x^2 + \lim_{x \rightarrow 1} 6x + \lim_{x \rightarrow 1} 1$$

$$8 \cdot \left[\lim_{x \rightarrow 1} x \right]^3 + 12 \cdot \left[\lim_{x \rightarrow 1} x \right]^2 + 6 \cdot \lim_{x \rightarrow 1} x + 1$$

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$$8 \cdot 1^3 + 12 \cdot 1^2 + 6 \cdot 1 + 1$$

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$$8 \cdot 1 + 12 \cdot 1 + 6 + 1$$

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$$8 + 12 + 6 + 1$$

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$$\boxed{27}$$