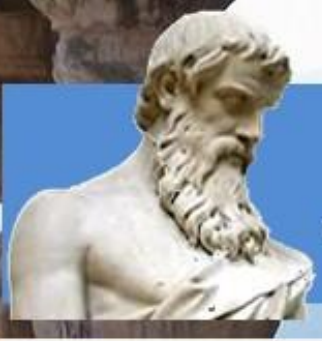

In memory of Justynko, my wife

FORMULAS

'The laws of nature are but the mathematical thoughts of God.'
Euclid

FORMULA No.

W26

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We are not mathematicians, but we love mathematics and create formulas ourselves.

'No other science boosts the faith in the strength of the human spirit like mathematics.'
Hugo Steinhaus

1 WEEK = 7 DAYS = 7 FORMULAS

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

'The laws of nature are but the mathematical thoughts of God.'
Euclid

FORMULA No.

D261

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} 3^{k-1} \times sin^3\left(\frac{\pi}{4 \times 3^{k-1}}\right) = \frac{3 \times \pi - 2 \times \sqrt{2}}{16}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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FORMULA No.

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$$\sum_{k=1}^{k=\infty} \frac{(k+1)\times 2^{2\times k}}{(k+5)!} = \frac{1}{30} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{3 \times k! \times (k^2 + k + 1) + 2^{k+2}}{(3 \times k \times k! + 2^{k+1}) \times [3 \times (k+1) \times (k+1)! + 2^{k+3}]} = \frac{1}{11}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

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Euclid

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D264

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$$\sum_{k=1}^{k=\infty} \frac{1}{49 \times k^2 - 35 \times k - 6} = \frac{1}{7} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULAS

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Euclid

FORMULA No.

D265

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$$k \in N$$

$$\prod_{k=1}^{k=\infty}\left(1-4\times sin^2\left(\frac{\pi}{12\times 5^k}\right)+3,2\times sin^4\left(\frac{\pi}{12\times 5^k}\right)\right)=\frac{3\times\left(\sqrt{6}-\sqrt{2}\right)}{\pi}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

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Euclid

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{(k+6)^{k+1} + (k+4)^{k-1} - 2(k+5)^{k}}{[(k+6)^{k+1} - (k+5)^{k}] \times [(k+5)^{k} - (k+4)^{k-1}]} = \frac{1}{5}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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FORMULA No.

D267

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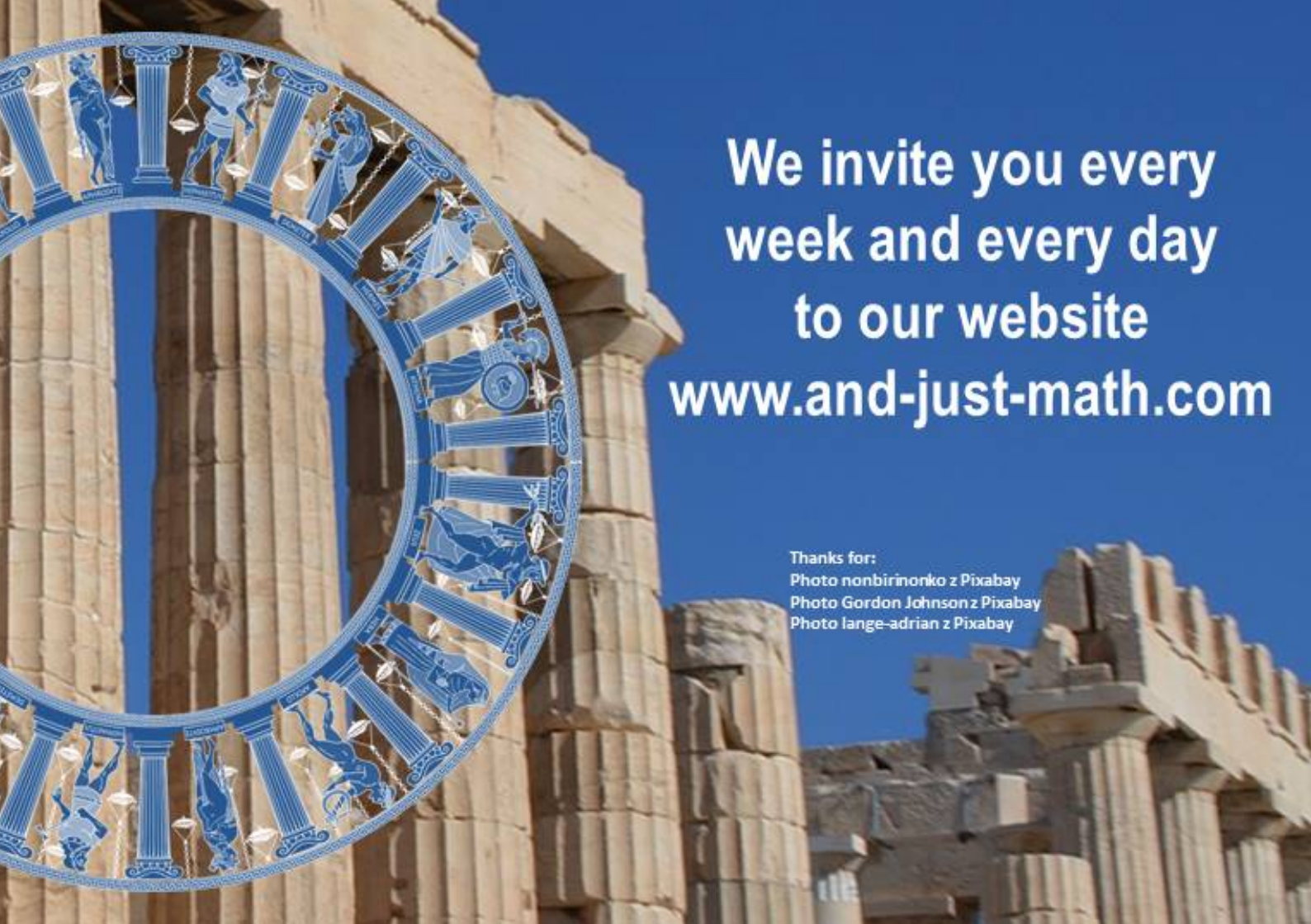
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{4 \times k^2 - 2 \times k - 1}{k \times (k+1) \times (3 \times k - 2) \times (3 \times k + 1)} = \frac{1}{3}$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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