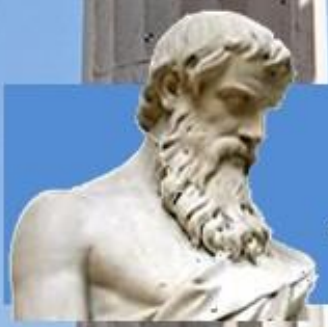

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W42

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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

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Euclid

FORMULA No.

D421

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$$\sum_{k=1}^{k=\infty} \frac{sin\left(\frac{(3 \times k - 1) \times \pi}{3^{k+1} \times k!}\right)}{cos\left(\frac{\pi}{3^{k+1} \times k!}\right) \times cos\left(\frac{\pi}{3^{k} \times (k-1)!}\right)} = \sqrt{3} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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$$\sum_{k=1}^{k=\infty} arc\,tg\left(\frac{\sqrt{3}}{2\times k\times(2\times k-1)}\right)=\frac{\pi}{3} \qquad k\in N$$

NEW MATHEMATICAL FORMULA DAILY

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$$\sum_{k=1}^{k=\infty} \frac{(k-1) \times 5^{k-1}}{(k+4)!} = \frac{1}{24} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D424

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$$\sum_{k=1}^{k=\infty} \frac{k}{k^4 + k^2 + 1} = \frac{1}{2} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D425

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{17 \times k! \times \left(k^2 + k + 1\right) + 2^k}{(17 \times k \times k! + 2^k) \times [17 \times (k+1) \times (k+1)! + 2^{k+1}]} = \frac{1}{19}$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULAS

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Euclid

FORMULA No.

D426

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{12 \times k^2 - 10 \times k - 1}{k \times (k+1) \times (11 \times k - 10) \times (11 \times k + 1)} = \frac{1}{11}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D427

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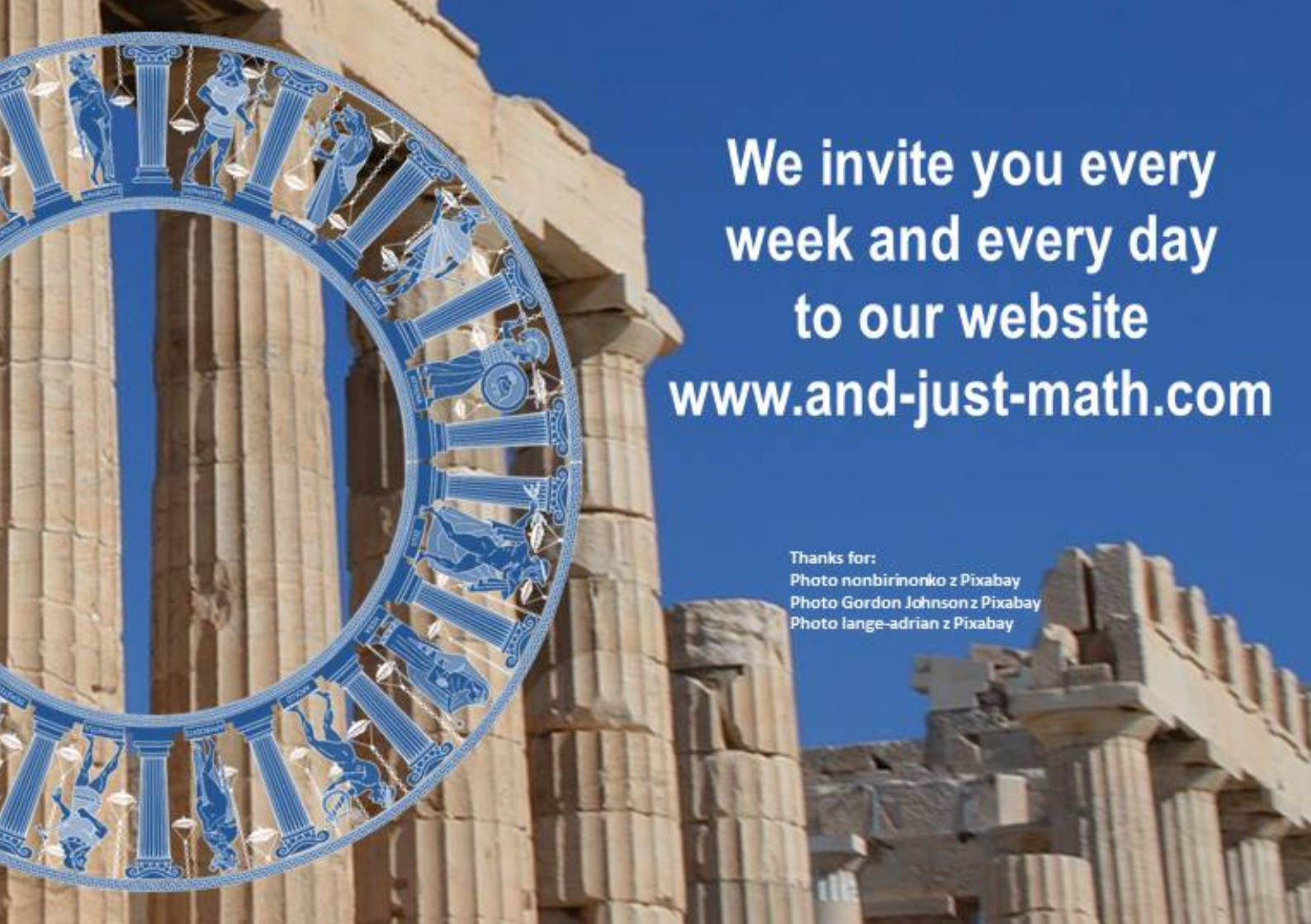
$$\sum_{k=1}^{k=\infty} \frac{\sin\left(\frac{\pi}{6\times k\times (k+1)}\right)}{\sin\left(\frac{(3\times k+2)\times \pi}{6\times (k+1)}\right)\times \sin\left(\frac{(3\times k-1)\times \pi}{6\times k}\right)} = \frac{\sqrt{3}}{3} \qquad k\in N$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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