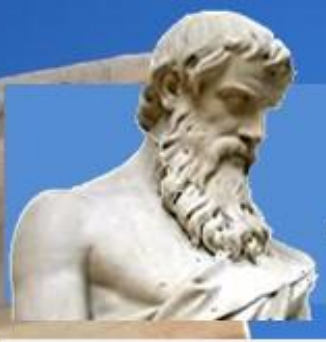

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W30

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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.

D301

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} 3^{k-1} \times sin^3\left(\frac{5 \times \pi}{4 \times 3^k}\right) = \frac{5 \times \pi + 2 \times \sqrt{2}}{16}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D302

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{9 \times k! \times (k^2 + k + 1) + 2^k}{(9 \times k \times k! + 2^k) \times [9 \times (k+1) \times (k+1)! + 2^{k+1}]} = \frac{1}{11}$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULA No.

D303

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$$k \in N$$

$$\prod_{k=1}^{k=\infty} \frac{(k+5)\times(k+6)\times(2\times k+5)\times(2\times k+7)}{(k+3)\times(k+4)\times(2\times k+9)\times(2\times k+11)} = \frac{2079}{3200}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D304

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$$\sum_{k=1}^{k=\infty} \frac{(k-4)\times 7^{k-1}}{(k+3)!} = \frac{1}{6} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D305

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

$$k\in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D306

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{24 \times k^2 - 22 \times k - 1}{(3 \times k - 2) \times (3 \times k + 1) \times (21 \times k - 20) \times (21 \times k + 1)} = \frac{1}{63}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D307

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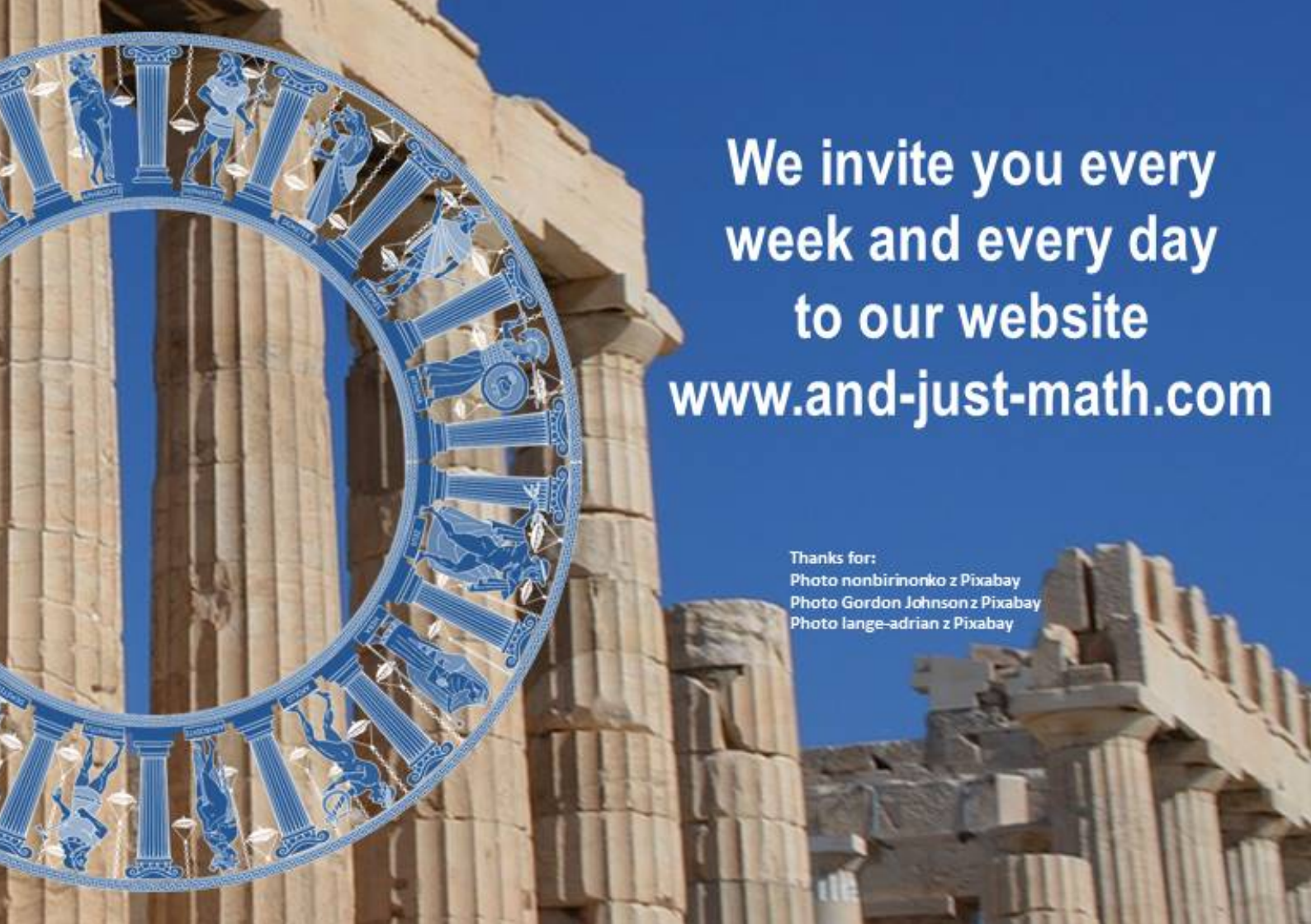
$$k \in N$$

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

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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