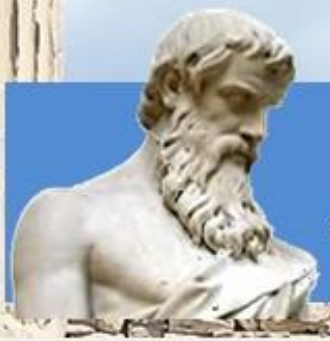

In memory of Justynka, my wife

FORMULAS

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

••••

FORMULA No.

W22

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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

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FORMULA No.

D221

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{[(9 \times k^2 + 22 \times k + 13) \times k! + 2 \times k^3 + 4 \times k^2 + k - 1] \times k! \times 2^{k+2}}{(2 \times k + 3)!} = 5 \times (\pi - 2)$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

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FORMULA No.

D222

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$$\sum_{k=1}^{k=\infty} \frac{1}{4 \times (2 \times k - 1)^2 - 2401} = \frac{\pi}{392} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D223

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{25 \times k^4 + 160 \times k^3 + 451 \times k^2 + 798 \times k + 576}{(k+2) \times (k+3)^2 \times (k+4)^2 \times (5 \times k + 1) \times (5 \times k + 6)} = \frac{61 - 6 \times \pi^2}{36}$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULA No.

D224

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{400 \times k^4 - 640 \times k^3 - 109 \times k^2 + 331 \times k - 21}{(5 \times k - 4) \times (5 \times k + 1) \times (16 \times k^2 - 9) \times (16 \times k^2 - 49)} = \frac{\pi}{40}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D225

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{\left(4 \times k^5 + 44 \times k^4 + 189 \times k^3 + 358 \times k^2 + 305 \times k + 96\right) \times (2 \times k)!}{(k+1) \times (k+2) \times (2 \times k + 1) \times (2 \times k + 3) \times (k+1)!^2 \times 2^{4 \times k + 3}} = \frac{\pi - 3}{3}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D226

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 64 \times k^3 - 461 \times k^2 - 2961 \times k - 5589}{(k+2) \times (k+3) \times (16 \times k^2 - 729) \times (16 \times k^2 - 529)} = \frac{\pi}{200}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D227

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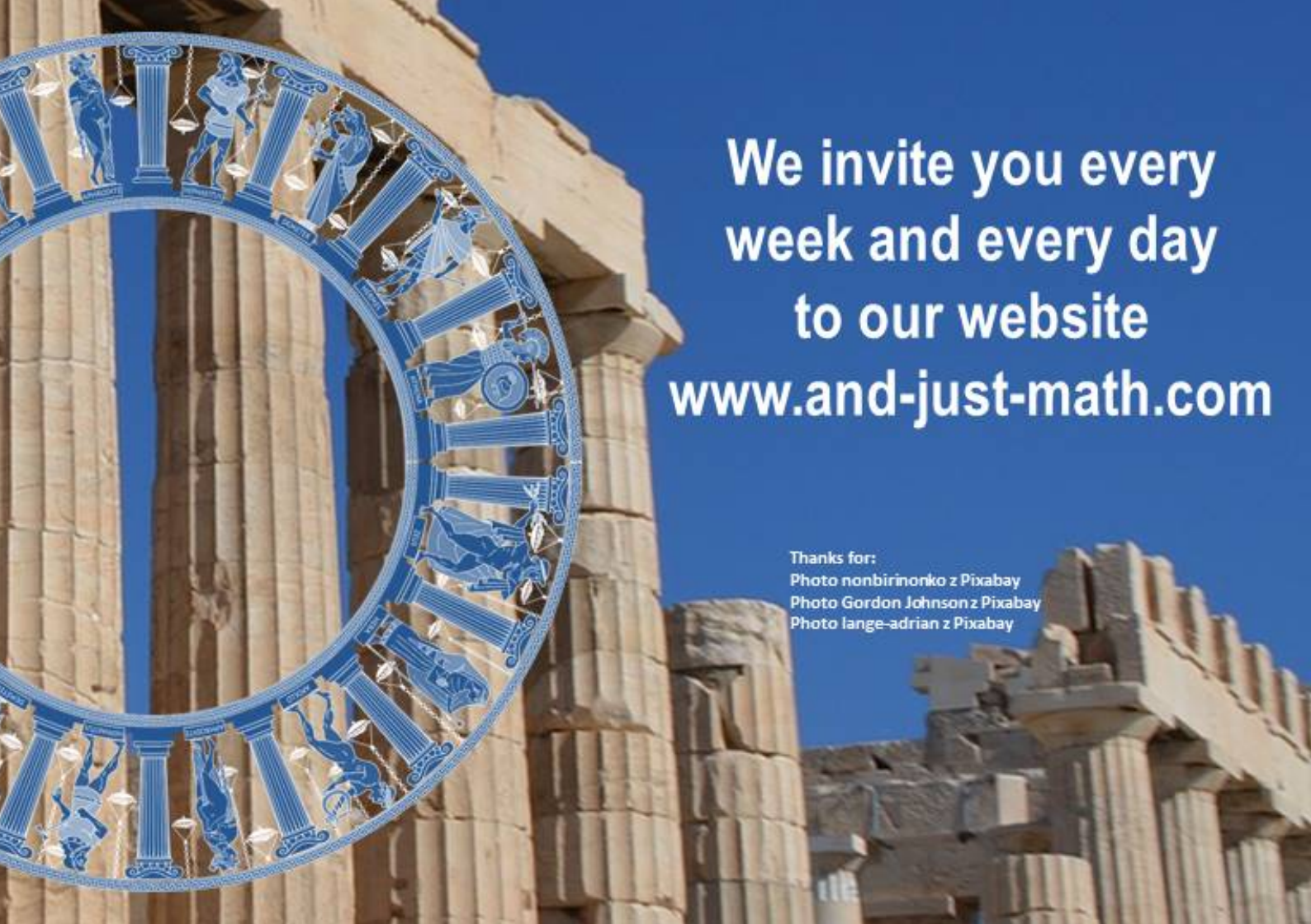
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{\left[\left(\pi^2-6\right)\times k^2+4\times\left(\pi^2-3\right)\times k+4\times\pi^2-6\right]\times 6^{k-1}}{(k+1)^2\times(k+2)^2\times\pi^{2\times k}}=\frac{1}{4}$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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