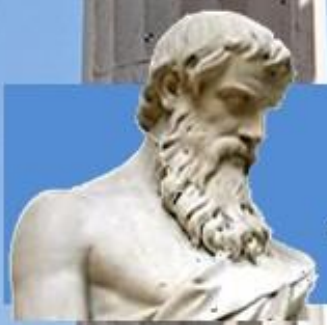

In memory of Justynka, my wife

FORMULAS

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

●●●●

FORMULA No.

W42

www.and-just-math.com

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.

D421

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{49 \times k^4 + 231 \times k^3 + 351 \times k^2 + 163 \times k + 1}{(k+1)^2 \times (k+2)^2 \times (7 \times k - 1) \times (7 \times k + 6)} = \frac{4 \times \pi^2 - 23}{24}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D422

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 144 \times k^3 + 559 \times k^2 + 871 \times k + 375}{(k+4) \times (k+5) \times (16 \times k^2 - 1) \times [16 \times (k+1)^2 - 1]} = \frac{4 - \pi}{8}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D423

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{9 \times k^4 + 75 \times k^3 + 304 \times k^2 + 660 \times k + 576}{(3 \times k + 5) \times (3 \times k + 8) \times (k + 2)^2 \times (k + 3)^2} = \frac{2 \times \pi^2 - 15}{12}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

●●●●

FORMULA No.

D424

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{[(4 \times k^2 + 9 \times k + 5) \times k! + 4 \times k^3 + 8 \times k^2 + 2 \times k - 2] \times k! \times 2^{k+2}}{(2 \times k + 3)!} = 3 \times (\pi - 2)$$

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.

D425

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^4 + 8 \times k^3 + 31 \times k^2 + 70 \times k + 64}{(k+1) \times (k+2)^2 \times (k+3)^2 \times (k+4)^2} = \frac{61 - 6 \times \pi^2}{36}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D426

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 88 \times k^3 + 177 \times k^2 + 146 \times k + 39}{(k+1)^2 \times (k+2)^2 \times (4 \times k + 1) \times (4 \times k + 5)} = \frac{10 \times \pi^2 - 57}{60}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

●●●●

FORMULA No.

D427

www.and-just-math.com
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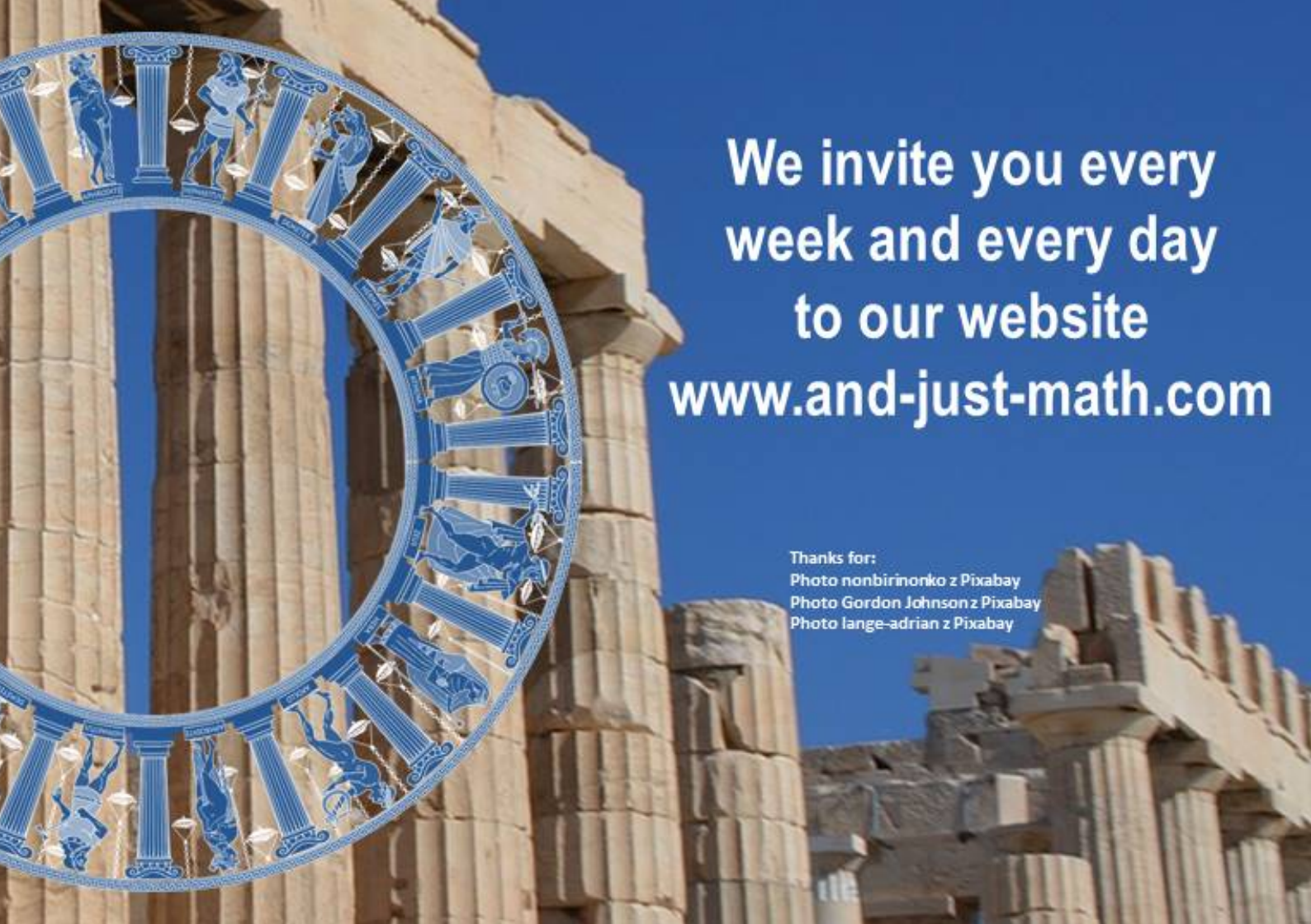
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{144 \times k^4 - 192 \times k^3 - 533 \times k^2 + 247 \times k - 77}{(3 \times k - 2) \times (3 \times k + 1) \times (16 \times k^2 - 121) \times (16 \times k^2 - 49)} = \frac{\pi}{72}$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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