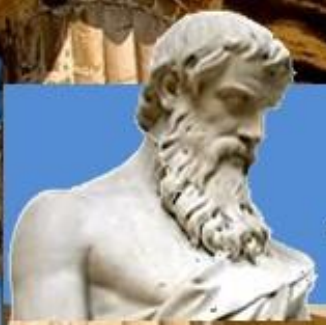
In memory of Justynka, my wife



FORMULAS

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

FORMULA No.

W11

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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.

D111

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{256 \times k^4 - 128 \times k^3 + 128 \times k^2 + 104 \times k + 15}{(4 \times k - 3) \times (4 \times k + 1) \times (16 \times k^2 - 1) \times [16 \times (k+1)^2 - 1]} = \frac{4 - \pi}{8}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D112

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{[(13 \times k^2 + 32 \times k + 19) \times k! + 2 \times k^3 + 4 \times k^2 + k - 1] \times k! \times 2^{k+2}}{(2 \times k + 3)!} = 7 \times (\pi - 2)$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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FORMULA No.

D113

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 32 \times k^3 + 115 \times k^2 + 161 \times k + 60}{(k+1) \times (k+2) \times (4 \times k - 3) \times (16 \times k^2 - 1) \times [16 \times (k+1)^2 - 1]} = \frac{\pi - 2}{16}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D114

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^8 + 160 \times k^7 + 800 \times k^6 + 2404 \times k^5 + 4315 \times k^4 + 4392 \times k^3 + 2232 \times k^2 + 324 \times k - 81}{k^2 \times (k+1)^2 \times (k+2)^2 \times (k+3)^2 \times (2 \times k + 1)^2 \times (2 \times k + 3)^2} = \frac{4 \times \pi^2 - 33}{48}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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

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FORMULA No.

D115

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{256 \times k^4 - 128 \times k^3 - 4160 \times k^2 - 2136 \times k - 2565}{(4 \times k - 1) \times (4 \times k + 3) \times (16 \times k^2 - 361) \times (16 \times k^2 - 225)} = \frac{\pi}{136}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

••••

FORMULA No.

D116

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$$\sum_{k=1}^{k=\infty} \frac{1}{4 \times (2 \times k - 1)^2 - 289} = \frac{\pi}{136} \qquad k \in N$$

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.

D117

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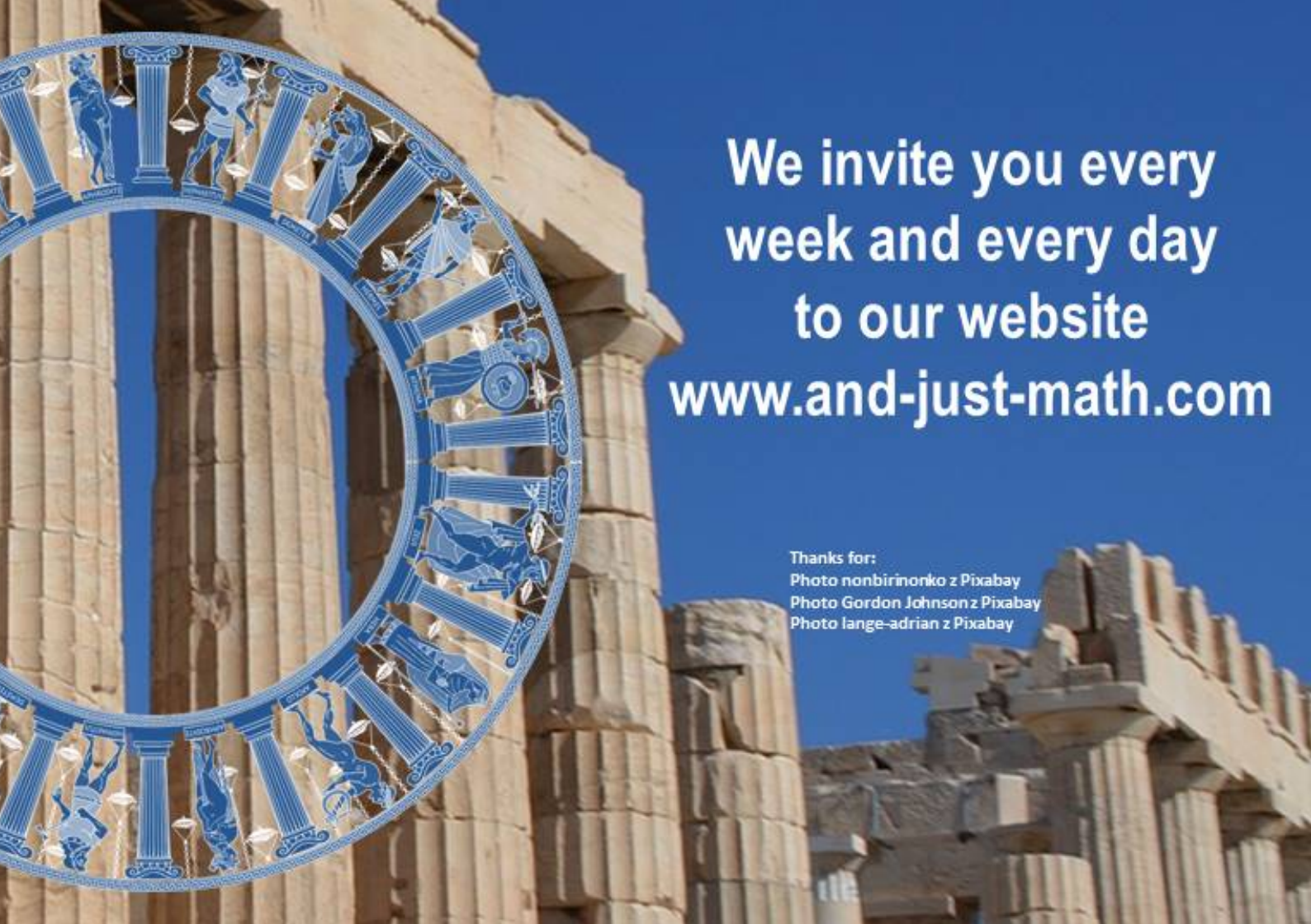
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{(16 \times k^5 + 76 \times k^4 + 216 \times k^3 + 317 \times k^2 + 215 \times k + 54) \times (2 \times k)!}{(k+1)^2 \times (2 \times k + 1) \times (2 \times k + 3) \times (4 \times k - 1) \times (4 \times k + 3) \times k!^2 \times 2^{4 \times k + 1}} = \frac{\pi - 3}{3}$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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