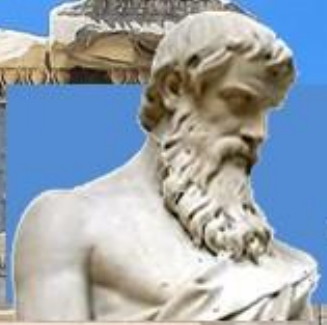

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W45

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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.

D451

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Hugo Steinhaus

$$\sum_{k=1}^{k=\infty} \frac{1}{4 \times (2 \times k - 1)^2 - 1849} = -\frac{\pi}{344} \qquad k \in N$$

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.

D452

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{49 \times k^4 + 175 \times k^3 + 123 \times k^2 - 85 \times k - 27}{(k+1)^2 \times (k+2)^2 \times (7 \times k - 5) \times (7 \times k + 2)} = \frac{4 \times \pi^2 - 21}{24}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D453

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{64 \times k^4 + 256 \times k^3 + 716 \times k^2 + 944 \times k + 375}{(2 \times k + 3) \times (2 \times k + 5) \times (16 \times k^2 - 1) \times [16 \times (k+1)^2 - 1]} = \frac{4 - \pi}{8}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

••••

FORMULA No.

D454

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{49 \times k^4 + 301 \times k^3 + 891 \times k^2 + 1531 \times k + 1089}{(7 \times k + 4) \times (7 \times k + 11) \times (k + 2)^2 \times (k + 3)^2} = \frac{2 \times \pi^2 - 15}{12}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

••••

FORMULA No.

D455

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{4 \times k^4 + 24 \times k^3 + 57 \times k^2 + 60 \times k + 23}{(k+1)^2 \times (k+2)^2 \times (2 \times k + 1) \times (2 \times k + 3)} = \frac{2 \times \pi^2 - 11}{12}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

●●●●

FORMULA No.

D456

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{25 \times k^4 + 145 \times k^3 + 309 \times k^2 + 275 \times k + 82}{(k+1)^2 \times (k+2)^2 \times (5 \times k + 2) \times (5 \times k + 7)} = \frac{14 \times \pi^2 - 81}{84}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D457

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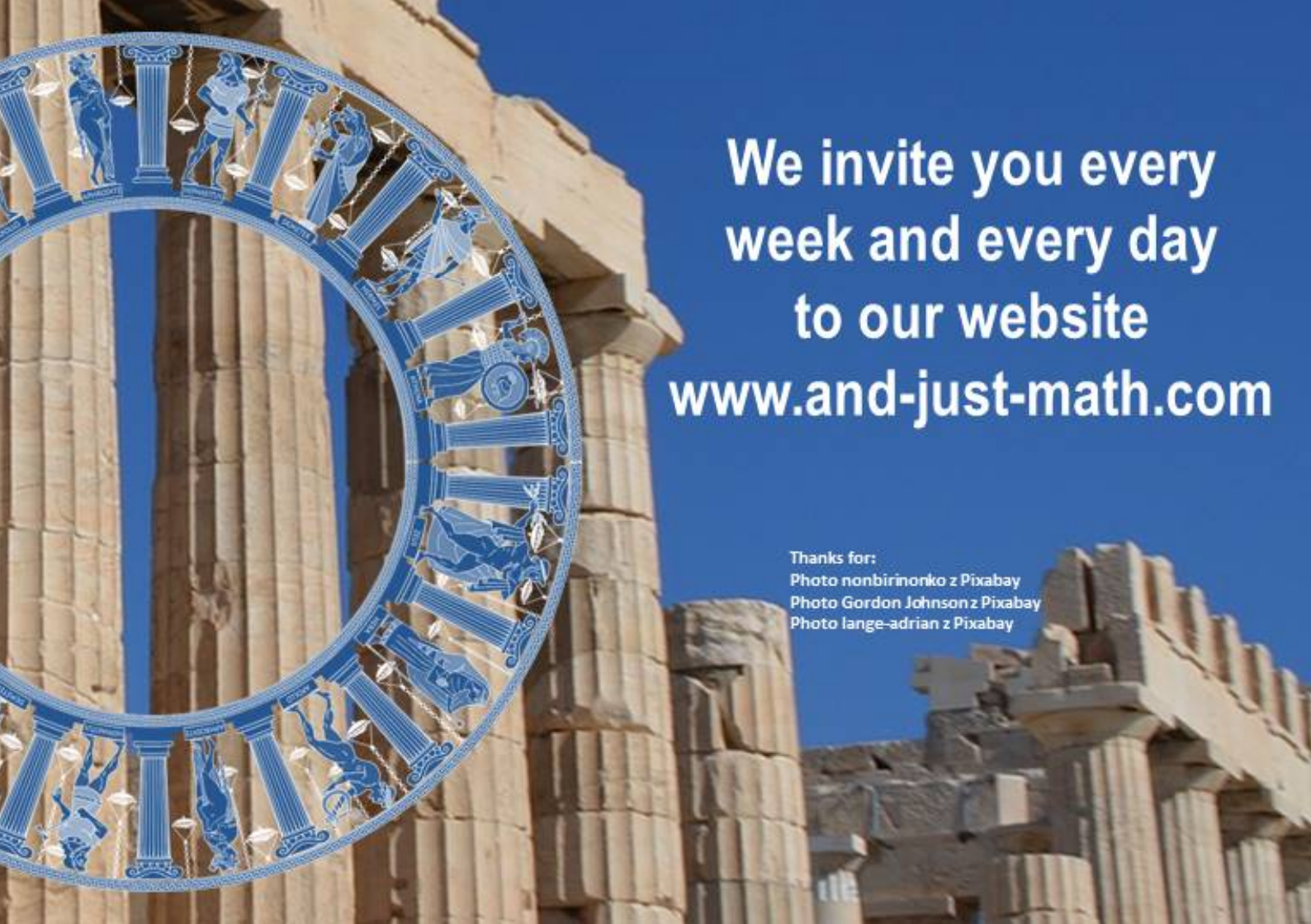
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{144 \times k^4 - 192 \times k^3 + 187 \times k^2 + 7 \times k + 3}{(3 \times k - 2) \times (3 \times k + 1) \times (16 \times k^2 - 9) \times (16 \times k^2 - 1)} = \frac{\pi}{8}$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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