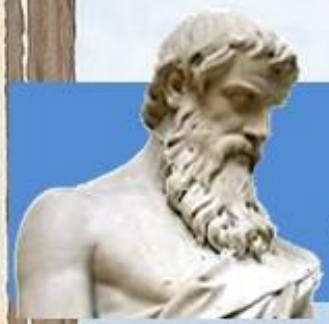

In memory of Justynka, my wife

FORMULAS

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

●●●●

FORMULA No.

W12

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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.

D121

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{2 \times k^8 + 24 \times k^7 + 144 \times k^6 + 516 \times k^5 + 1119 \times k^4 + 1434 \times k^3 + 1021 \times k^2 + 348 \times k + 36}{k^2 \times (k+1)^4 \times (k+2)^4 \times (k+3)^2} = \frac{4 \times \pi^2 - 33}{24}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

●●●●

FORMULA No.

D122

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{49 \times k^4 + 322 \times k^3 + 949 \times k^2 + 1740 \times k + 1296}{(k+2) \times (k+3)^2 \times (k+4)^2 \times (7 \times k + 2) \times (7 \times k + 9)} = \frac{61 - 6 \times \pi^2}{36}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

••••

FORMULA No.

D123

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{4 \times k^4 + 8 \times k^3 + 21 \times k^2 + 19 \times k + 4}{(k+1) \times (k+2) \times (4 \times k^2 - 1)^2} = \frac{\pi^2}{8}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D124

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{64 \times k^4 + 64 \times k^3 - 2276 \times k^2 - 4824 \times k - 5589}{(2 \times k + 1) \times (2 \times k + 3) \times (16 \times k^2 - 729) \times (16 \times k^2 - 529)} = \frac{\pi}{200}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

●●●●

FORMULA No.

D125

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{256 \times k^4 + 1920 \times k^3 + 7360 \times k^2 + 15016 \times k + 11979}{(4 \times k + 5) \times (4 \times k + 7)^2 \times (4 \times k + 9) \times (4 \times k + 11)^2} = \frac{105 \times \pi - 304}{840}$$

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.

D126

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 120 \times k^3 + 513 \times k^2 + 1304 \times k + 1296}{(k+2)^2 \times (k+3)^2 \times (k+4)^2 \times (4 \times k + 5) \times (4 \times k + 9)} = \frac{6 \times \pi^2 - 59}{18}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D127

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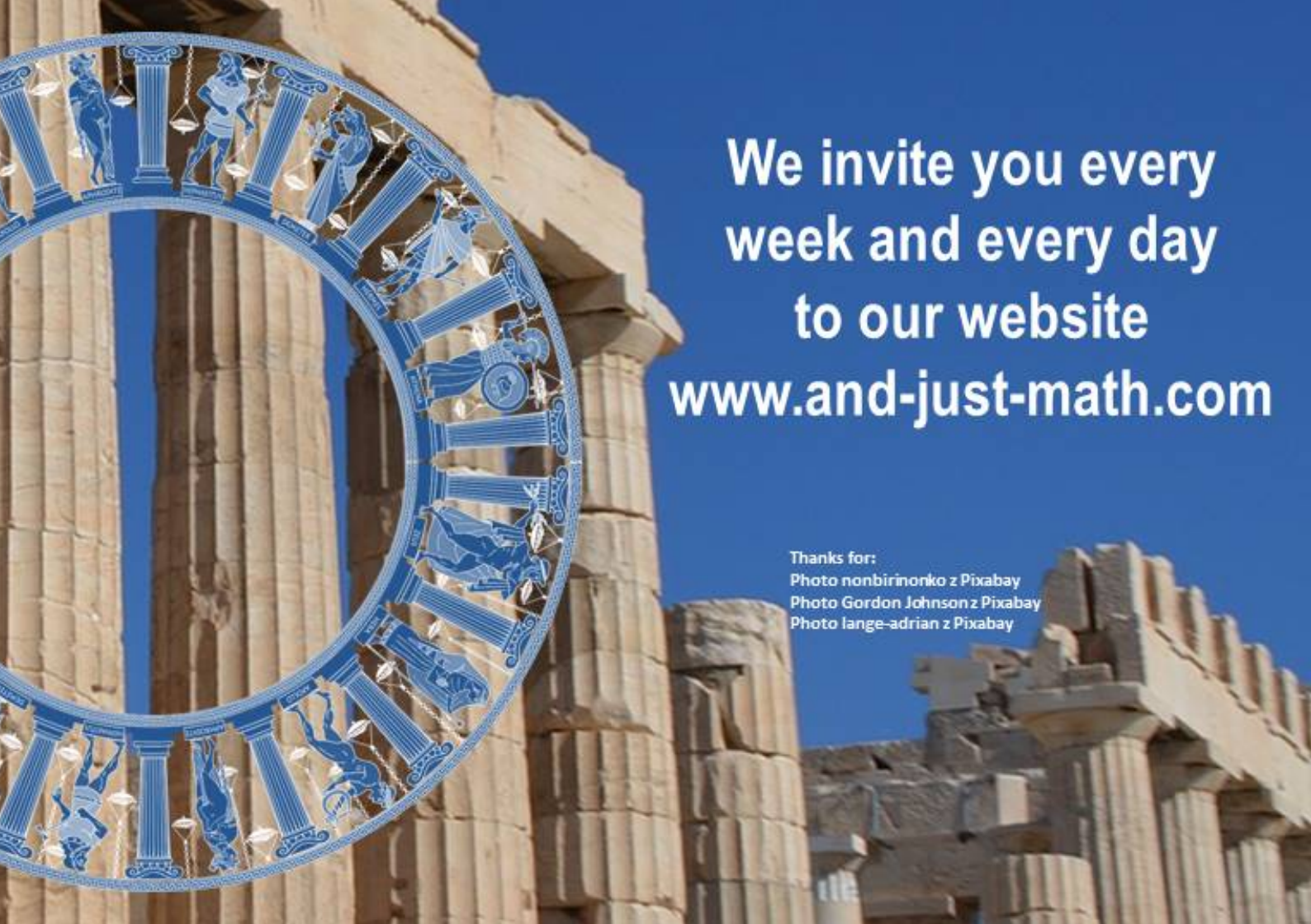
$$\sum_{k=1}^{k=\infty} \frac{1}{(169 - 16 \times k^2)} = \frac{13 \times \pi - 4}{1352} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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