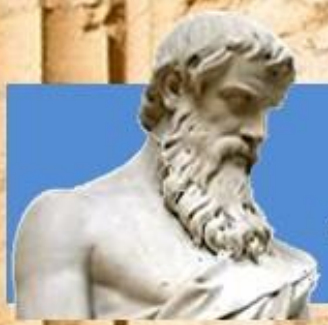

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W48

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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.

D481

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 80 \times k^3 + 216 \times k^2 + 220 \times k + 49}{(2 \times k + 5) \times (2 \times k + 7) \times (4 \times k^2 - 1)^2} = \frac{\pi^2}{8}$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{9 \times k^4 + 66 \times k^3 + 229 \times k^2 + 476 \times k + 400}{(k+2) \times (k+3)^2 \times (k+4)^2 \times (3 \times k + 2) \times (3 \times k + 5)} = \frac{61 - 6 \times \pi^2}{36}$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{sin(16 \times k) \times cos(18 \times k)}{k} = \frac{5 \times \pi - 16}{2}$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 256 \times k^3 + 1315 \times k^2 + 1347 \times k + 243}{(k+8) \times (k+9) \times (16 \times k^2 - 9) \times (16 \times k^2 - 1)} = \frac{\pi}{8}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

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Euclid

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{25 \times k^4 + 165 \times k^3 + 531 \times k^2 + 971 \times k + 729}{(5 \times k + 4) \times (5 \times k + 9) \times (k + 2)^2 \times (k + 3)^2} = \frac{2 \times \pi^2 - 15}{12}$$

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$$\sum_{k=1}^{k=\infty} \frac{sin(10 \times k)}{k} = \frac{3 \times \pi - 10}{2} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULAS

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Euclid

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FORMULA No.

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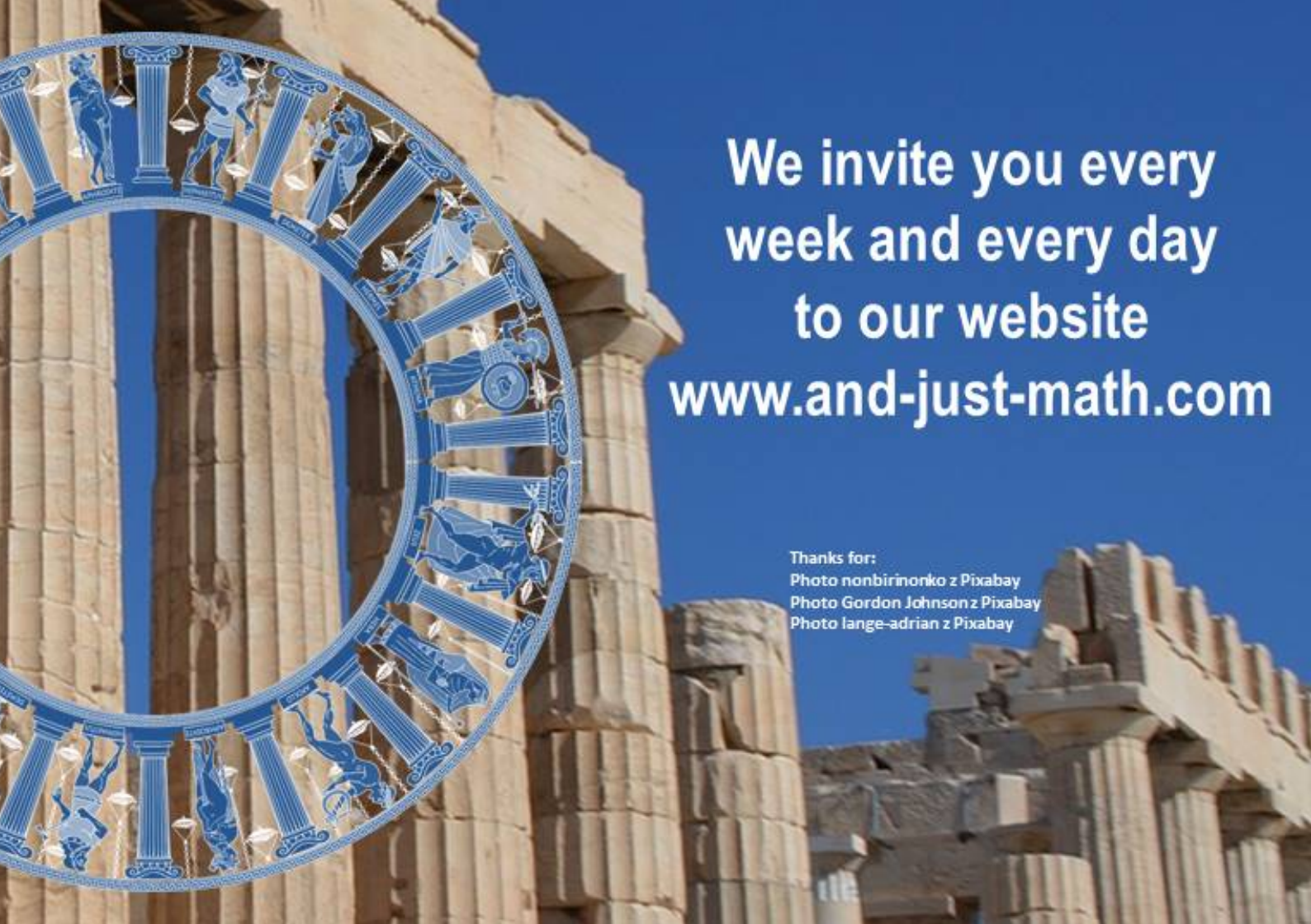
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^4 + 15 \times k^3 + 81 \times k^2 + 181 \times k + 139}{(k+1)^2 \times (k+2)^2 \times (k+5) \times (k+6)} = \frac{4 \times \pi^2 - 23}{24}$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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