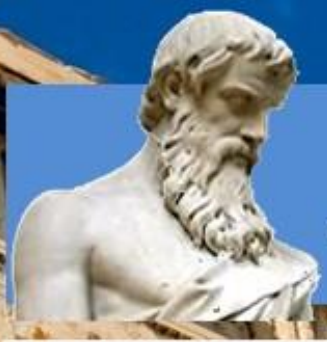

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.
W13

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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.

D131

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^2 - k - 1}{(5 \times k + 2) \times (5 \times k + 7) \times (7 \times k - 2) \times (7 \times k + 5)} = 0$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} sin\left(\frac{\pi}{2^{2\times k+1}}\right) \times sin\left(\frac{3\times\pi}{5\times 2^{2\times k+1}}\right) = \frac{3-\sqrt{5}}{8}$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{1}{\left(3-\sqrt{5}\right) \times k^2 + \left(\sqrt{5}+1\right) \times (k+1)} = \frac{1}{2}$$

NEW MATHEMATICAL FORMULA DAILY

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$$\sum_{k=1}^{k=\infty} \frac{1}{9 \times k^2 - 15 \times k + 4} = -\frac{1}{3} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULAS

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Euclid

FORMULA No.

D135

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$$\sum_{k=1}^{k=\infty} \frac{1}{64 \times k^2 + 80 \times k + 9} = \frac{1}{72} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D136

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{5^{k-1} \times [(5 \times k + 16)^{k+1} + 25 \times (5 \times k + 6)^{k-1} - 10 \times (5 \times k + 11)^{k}]}{[(5 \times k + 16)^{k+1} - 5 \times (5 \times k + 11)^{k}] \times [(5 \times k + 11)^{k} - 5 \times (5 \times k + 6)^{k-1}]} = \frac{1}{11}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D137

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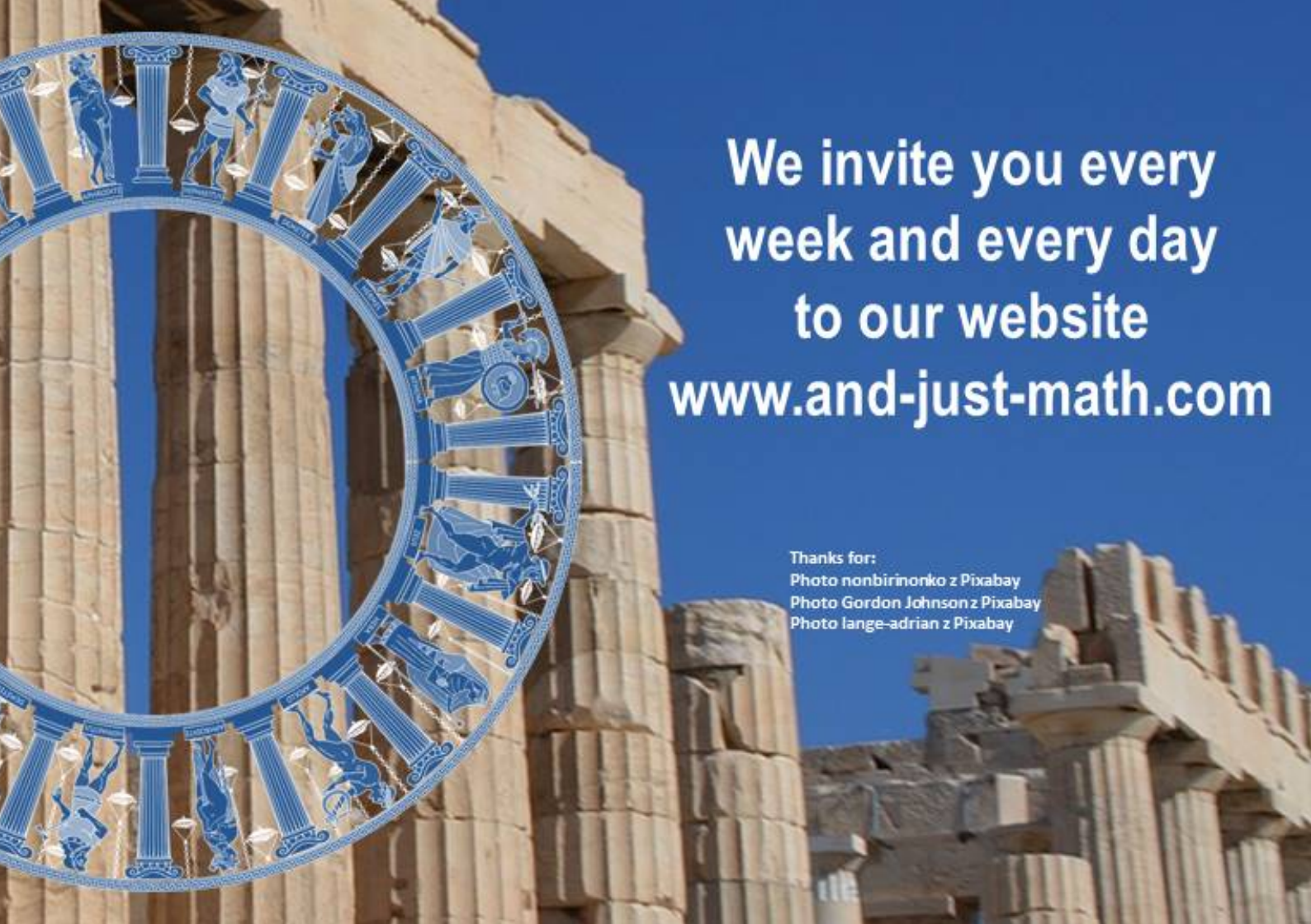
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{10 \times k^2 - 8 \times k - 1}{(8 \times k - 7) \times (8 \times k + 1) \times (4 \times k^2 - 1)} = \frac{1}{16}$$

NEW MATHEMATICAL FORMULA DAILY



We invite you every week and every day to our website www.and-just-math.com

Thanks for:
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