NC EMPT'S QUESTION? of the week

Question 18
January 13, 2025

Find an equivalent form of $\frac{2}{x+3} + \frac{1}{x-3}$

A. $\frac{3x-1}{x^2-3}$ B. $\frac{3}{2x}$ C. $\frac{3}{x^2-9}$ D. $\frac{3x-3}{x^2-9}$ E. $\frac{x-1}{x^2-1}$

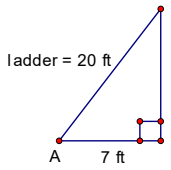
Last Week's Answer

A 20-foot ladder leans against a wall so that the base of the ladder is 7 ft. from the base of the building. To find the angle, A, the ladder makes with the ground, which equation below can be used:

A. $sin\, A = \frac{7}{20}$ B. $tan\, A = \frac{20}{7}$ C. $tan\, A = \frac{7}{20}$

D. $\boldsymbol{cos\, A = \frac{7}{20}}$ E. $sin\, A = \frac{20}{7}$

Solution:



$cos\, A = \frac{\text{adjacent leg}}{\text{hypotenuse}} = \frac{7}{20}$

Each week, we'll reveal the answer to the previous week's question!

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