

Trial and Improvement: Step-by-step 2

Name:	Date:
Which of these is a good idea for the next step to solve this equation by trial and improvement? A) Try x = 1.01 B) Try x = 3 x $x^3 + 2x = 6 \text{ (to 1 d.p)}$ x $x^3 + 2x = 6 \text{ (to 1 d.p)}$ C) Try x = 1.3 D) Try x = 1.9	Correct Answer: A B C D Explanation:
b) ITY x = 1.9	
Which of these is a good idea for the next step to solve this equation by trial and improvement? A) Try x = 1.4 B) Try x = 1.31 x $x^3 + 2x$ $x^3 + $	Correct Answer: A B C D Explanation:
What is the best next step to solve this equation by trial and improvement?	Correct Answer: A B C D
A) Keep trying x values until you get as close to 6 as possible Solve $x^3 + 2x = 6$ (to 1 d.p) $x $	Explanation:
B) Try x = 1.45 $ \begin{array}{c} 2 \\ 1.3 \\ 1.4 \\ 1.5 \\ 1.5 \end{array} \begin{array}{c} 2^{3} + 2 \times 2 = 12 \\ 1.3^{3} + 2 \times 1.3 = 4.797 \\ 1.4^{3} \cdot 2 \times 1.4 = 5.544 \\ 1.5^{3} \cdot 2 \times 1.5 = 6.375 \end{array} \begin{array}{c} \text{too big} \\ \text{too small} \\ \text{too big} \\ too$	
D) No more to do as you know the answer	
is v = 1 5	

A) $x = 1.45$	9	Solve $x^3 + 2x = 6$ (to 1 d.)	p)
B) x = 1.4	x	$x^3 + 2x$	6
	1	1 ³ + 2 x 1 = 3	too smal
	2	$2^3 + 2 \times 2 = 12$	too big
C) x = 1.5	1.3	1.3 ³ + 2 x 1.3 = 4.797	too small
	1.4	$1.4^3 + 2 \times 1.4 = 5.544$	too smal
5) 11	1.5	$1.5^3 + 2 \times 1.5 = 6.375$	too big
D) You don't know as you have not got an answer of 6 yet	1.45	1.45 ³ + 2 x 1.45 = 5.948	too smal

COITCCC AIISWCI. A D C D	
Explanation:	
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