SHOW THAT...

STEPS TO SUCCESS

1. Step 1: Identify the mathematical statement to be proven
2. Step 2: Select appropriate values or examples to demonstrate the truth
3. Step 3: Verify the example satisfies all conditions of the statement

MAIN QUESTIONS

QUESTION 1

Show that $2x + 3 = 7$ has a solution

Final answer:

QUESTION 2

Show that $5y - 4 = 11$ has a solution

Final answer:

QUESTION 3

Show that $4a + 6 = 18$ has a solution

Final answer:

QUESTION 4

Show that $7b - 5 = 16$ has a solution

Final answer:

QUESTION 5

Show that $3(x + 2) = 15$ has a solution

Final answer:

QUESTION 6

Show that $2(3y - 1) = 10$ has a solution

Final answer:

QUESTION 7

Show that $4(2a + 3) = 28$ has a solution

Final answer:

QUESTION 8

Show that $5(3b - 2) = 20$ has a solution

Final answer:

QUESTION 9

Show that $x^2 = 16$ has a positive solution

Final answer:

QUESTION 10

Show that $y^2 = 25$ has a positive solution

Final answer:

QUESTION 11

Show that $a^2 = 36$ has a positive solution

Final answer:

QUESTION 12

Show that $b^2 = 49$ has a positive solution

Final answer:

QUESTION 13

Show that $2x^2 = 18$ has a positive solution

Final answer:

QUESTION 14

Show that $3y^2 = 27$ has a positive solution

Final answer:

QUESTION 15

Show that $4a^2 = 64$ has a positive solution

Final answer:

QUESTION 16

Show that $5b^2 = 45$ has a positive solution

Final answer:

QUESTION 17

Show that $x^2 + 3x + 2 = 0$ has two solutions

Final answer:

QUESTION 18

Show that $y^2 + 5y + 6 = 0$ has two solutions

Final answer:

QUESTION 19

Show that $a^2 + 7a + 12 = 0$ has two solutions

Final answer:

QUESTION 20

Show that $b^2 + 9b + 20 = 0$ has two solutions

Final answer:

QUESTION 21

Show that $2x^2 + 7x + 3 = 0$ has two solutions

Final answer:

QUESTION 22

Show that $3y^2 + 10y + 3 = 0$ has two solutions

Final answer:

QUESTION 23

Show that $4a^2 + 12a + 5 = 0$ has two solutions

Final answer:

QUESTION 24

Show that $5b^2 + 17b + 6 = 0$ has two solutions

Final answer:

QUESTION 25

Show that $x^3 = 8$ has a solution

Final answer:

QUESTION 26

Show that $y^3 = 27$ has a solution

Final answer:

QUESTION 27

Show that $a^3 = 64$ has a solution

Final answer:

QUESTION 28

Show that $b^3 = 125$ has a solution

Final answer:

QUESTION 29

Show that $2x^3 = 16$ has a solution

Final answer:

QUESTION 30

Show that $3y^3 = 81$ has a solution

Final answer: