

MM 30

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Time 1h

Solve by factorization

1. $\frac{1}{a+b+x} = \frac{1}{a} + \frac{1}{b} + \frac{1}{x}$ 3
2. $\frac{x-1}{x-2} + \frac{x-3}{x-4} = \frac{10}{3}$ 3
3. Prove quadratic formula. 4
4. Find P for real roots $x^2 + px + 4 = 0$ 3
5. One fourth of a herd of camels was seen in the forest. Twice the square roots of the head gone to mountains, 15 camels were seen on the bank of a river. Find the total number of camels. 4
6. A peacock is sitting on a tree nine metres high. A snake at a distance of twenty Seven metres from pillar is coming to a pole at the base of the pillar. Seeing the Snake the peacock pounces upon it. If their speeds are equal find the distance from the hole at which the snake caught. 6
7. If I had walked 1 km/h faster, I would have taken 10 minutes loss to walk 2km. Find speed of my walking. 4
8. $6x^2 - 13x + 5 = 0$. Solve equation by using quadratic formula. 3

Answers will be available after few days

Or

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