

To find yy when x=1x=1 in the equation y=x2+121404xy=x2+121404x, we substitute xx with 1:

y=(1)2+121404(1)y=(1)2+121404(1)y=1+121404y=1+121404y=121405y=121405

So, y=121405y=121405.

40 mini

You said:

With the knowledge that Jake only has \$400 dollars in his pocket. He earns \$20 an hour for 10 hours each day and works everyday for 20 years. How much money would he have if he spent only about \$10000 a year.

ChatGPT said:

ChatGPT

To calculate how much money Jake would have after 20 years, let's break it down step by step.

1. Daily Earnings:

Daily Earnings=20 dollars/hour×10 hours/day=200 dollars/dayDaily Earnings=20dollars/hour×10hours/day=200dollars/day

2. Annual Earnings:

Annual Earnings=200 dollars/day×365 days/year=73,000 dollars/yearAnnual Earnings=200dollars/day×365days/year=73,000dollars/year

3. Total Earnings Over 20 Years:

Total Earnings=73,000 dollars/year×20 years=1,460,000 dollarsTotal Earnings=73,000dollars/year×20years=1,460,000dollars

4. Total Spending Over 20 Years:

Total Spending=10,000 dollars/year×20 years=200,000 dollarsTotal Spending=10,000dollars/year×20years=200,000dollars

5. Net Amount After 20 Years:

Net Amount=Total Earnings-Total Spending+Initial AmountNet Amount=Total Earnings-Total Spending+Initial AmountNet
Amount=1,460,000 dollars-200,000 dollars+400 dollarsNet
Amount=1,460,000dollars-200,000dollars+400dollarsNet Amount=1,260,400 dollarsNet
Amount=1,260,400dollars

So, after 20 years, Jake would have **\$1,260,400**.

40 mini

You said:

Paul won the lottery one day. He earned \$7.5 million dollars after tax. He already had \$20,000 saved from his job, which he quit after winning. Paul is a major spender, getting a house for \$5 million and a car for \$1 million. Afterwards, his lifestyle would have him spend about \$1,000 each day for 20 years. How much money left does he have?

ChatGPT said:

ChatGPT

Let's break down Paul's finances step by step.

- 1. Initial Amount:
 - o Lottery winnings: \$7,500,000
 - o Savings: \$20,000
 - Total initial amount:
- 2. 7,500,000+20,000=7,520,0007,500,000+20,000=7,520,000
- 3. Expenses:
 - House: \$5,000,000Car: \$1,000,000Total expenses:
- 4. 5,000,000+1,000,000=6,000,0005,000,000+1,000,000=6,000,000
- 5. Amount After Purchases:

7,520,000-6,000,000=1,520,0007,520,000-6,000,000=1,520,000

- 6. Daily Spending:
 - Daily spending: \$1,000
 - Annual spending:
- 7. 1,000×365=365,0001,000×365=365,000
 - Total spending over 20 years:
- 8. 365,000×20=7,300,000365,000×20=7,300,000
- 9. Final Amount:

1,520,000-7,300,000=-5,780,0001,520,000-7,300,000=-5,780,000

So, after 20 years of spending at that rate, Paul would be in debt by \$5,780,000.