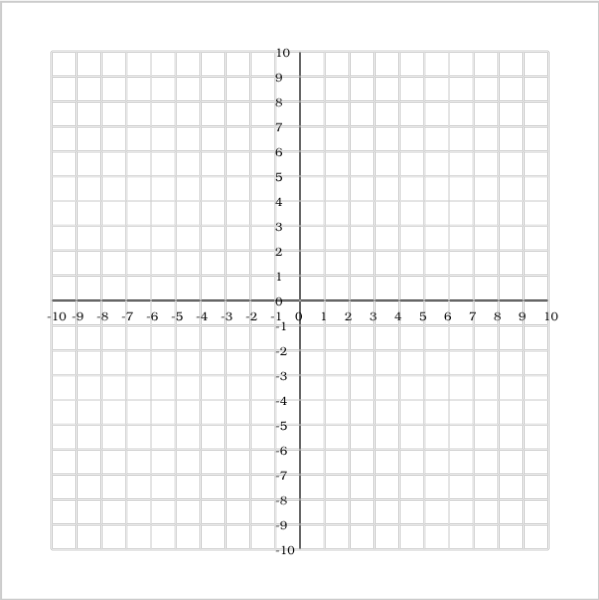
PLOTTING LINEAR GRAPHS

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

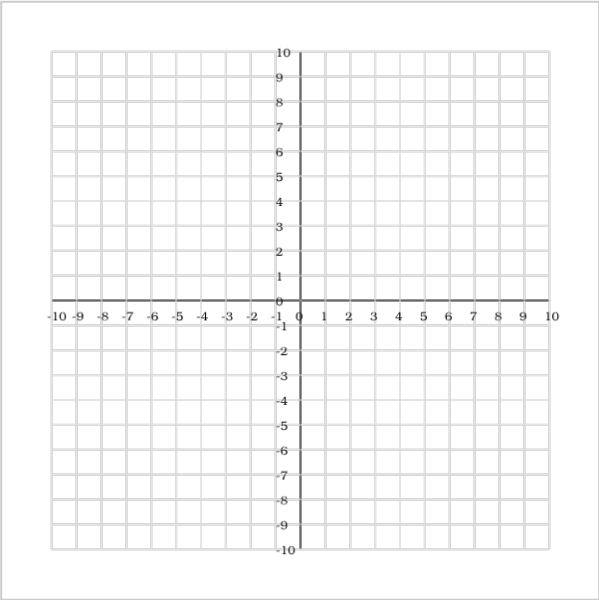
1.

Plot the graph of y = 2x + 1



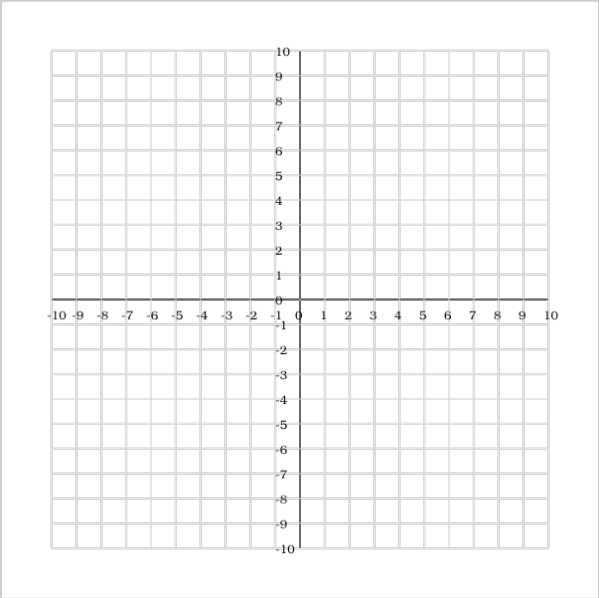
2.

Plot the graph of y = -x + 3



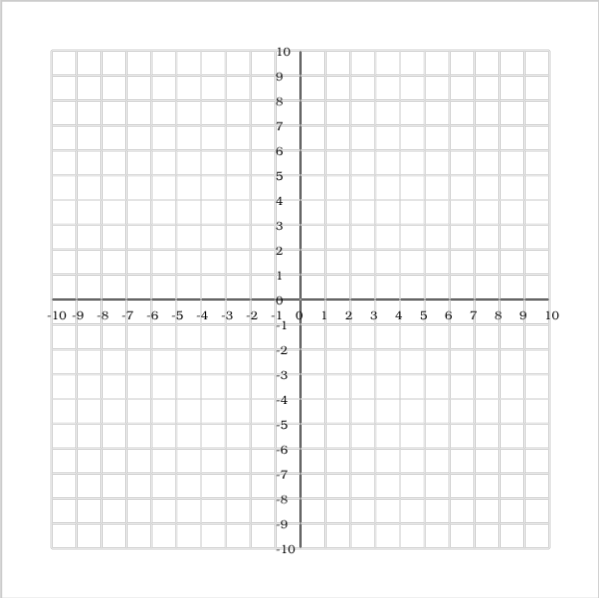
3.

Plot the graph of y = 0.5x - 2



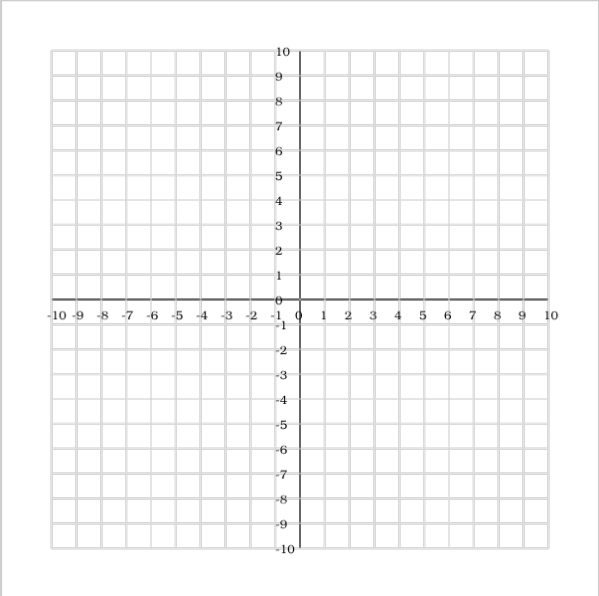
4.

Plot the graph of y = -2x + 4



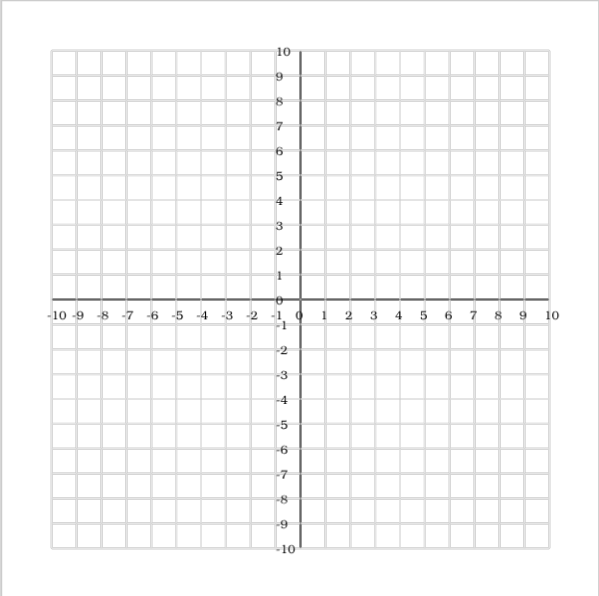
5.

Plot the graph of y = 3x



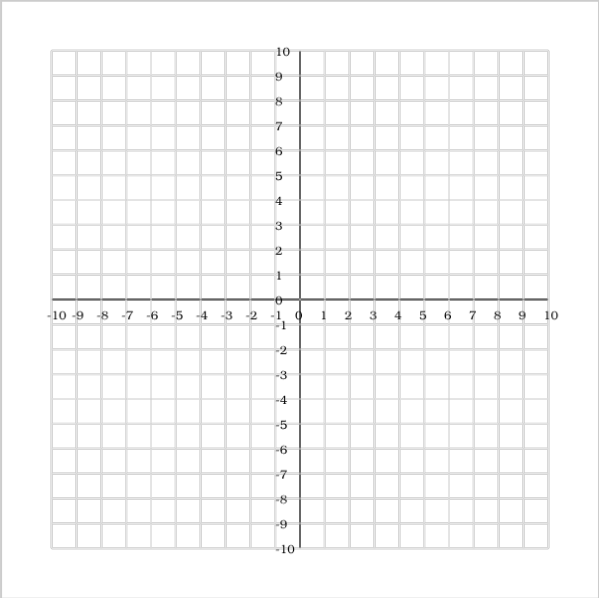
6.

Plot the graph of y = -0.5x + 1



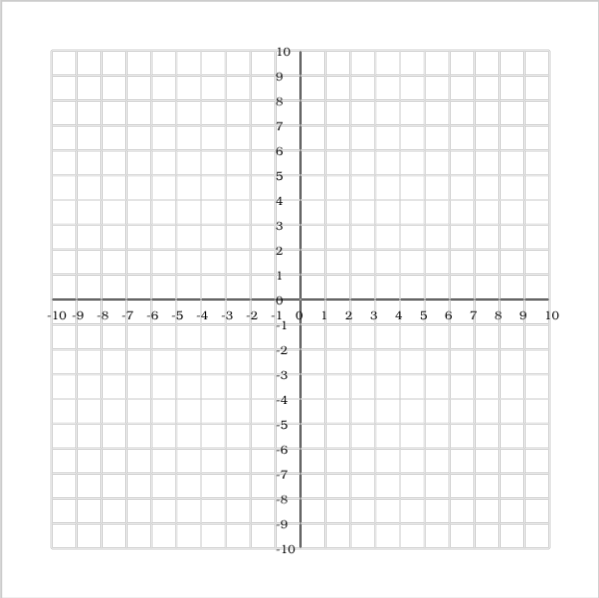
7.

Plot the graph of y = 4x - 3



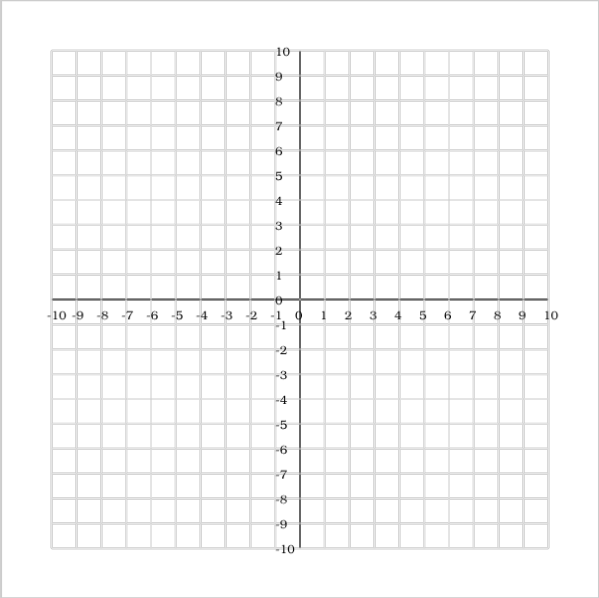
8.

Plot the graph of y = -3x + 2



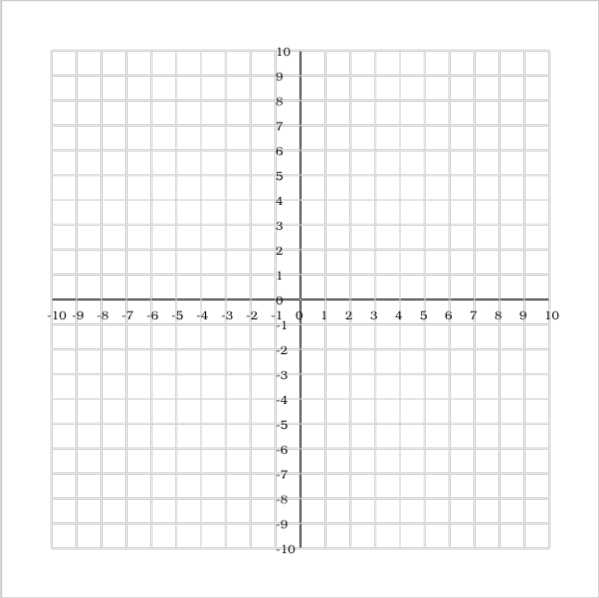
9.

Plot the graph of y = 1.5x - 1



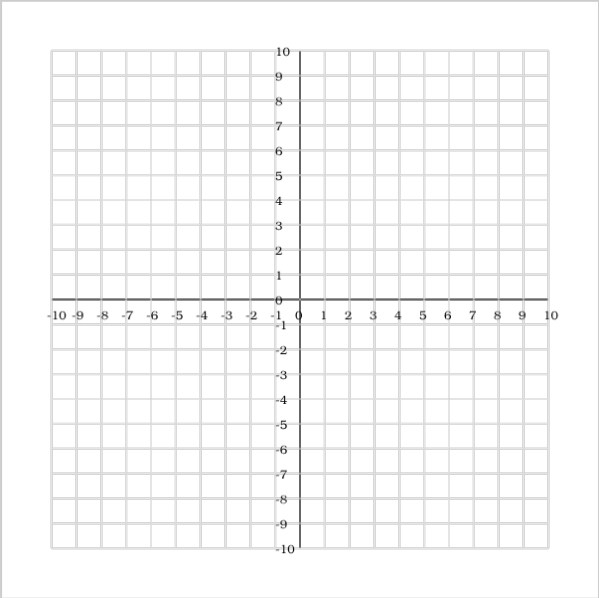
10.

Plot the graph of y = -4x - 2



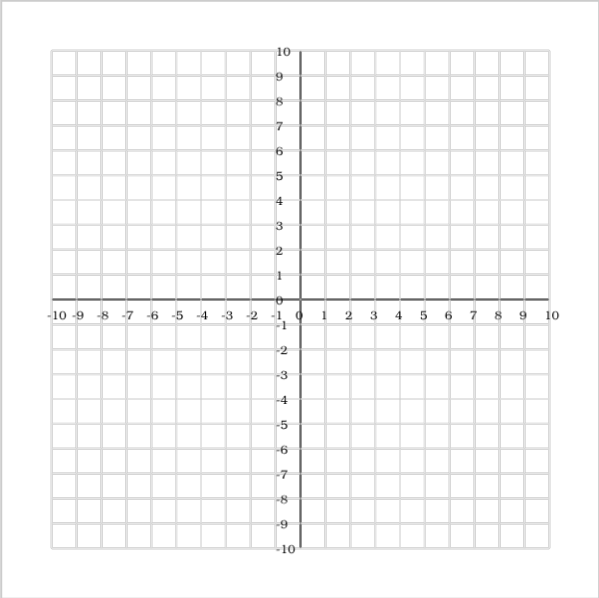
11.

Plot the graph of y = 2.5x + 0.5



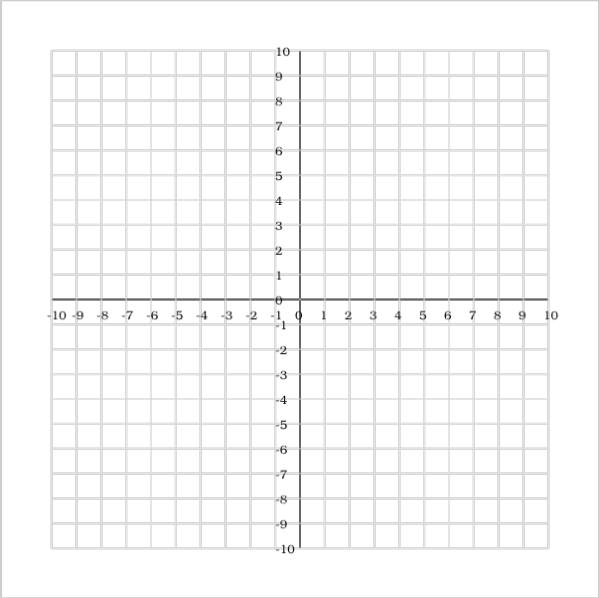
12.

Plot the graph of y = -1.5x + 3.5



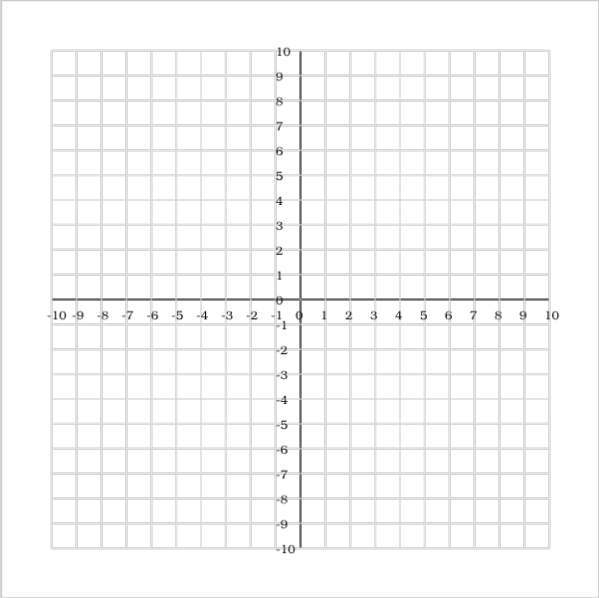
13.

Plot the graph of y = 0.25x - 1.5



14.

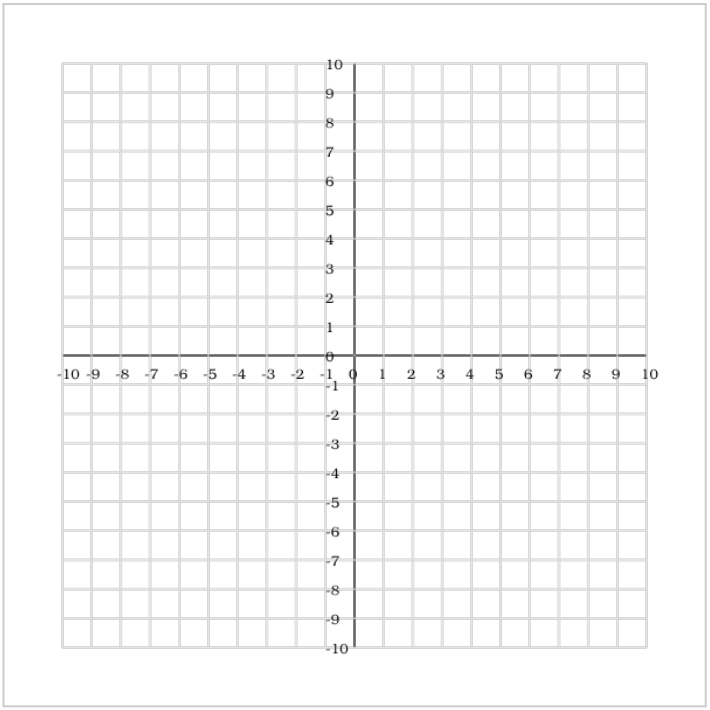
Plot the graph of y = -0.75x + 2.25



MASTER QUESTIONS

M1.

A taxi charges a £3 fixed fee plus £2 per mile. Write and plot the cost equation.

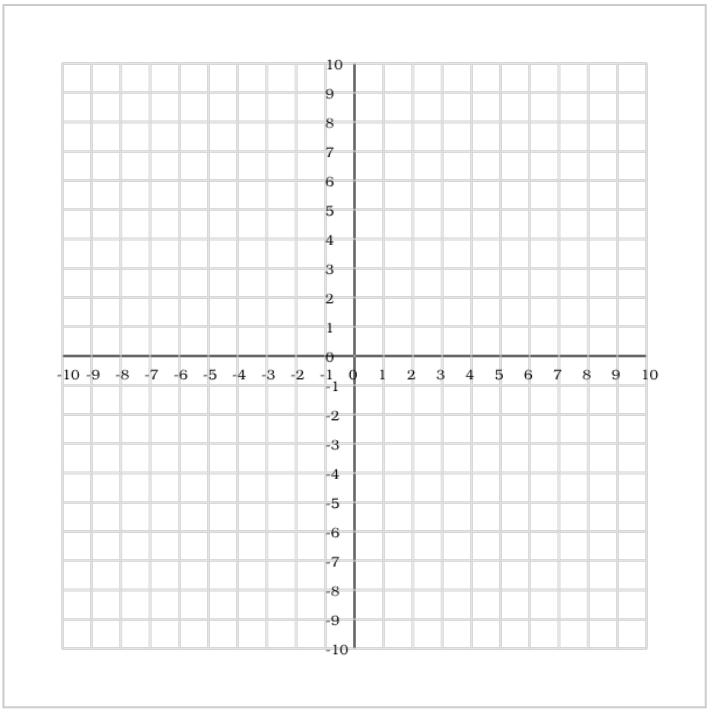


M2.

A phone plan costs £15 per month plus 10p per minute. Plot the monthly cost graph.

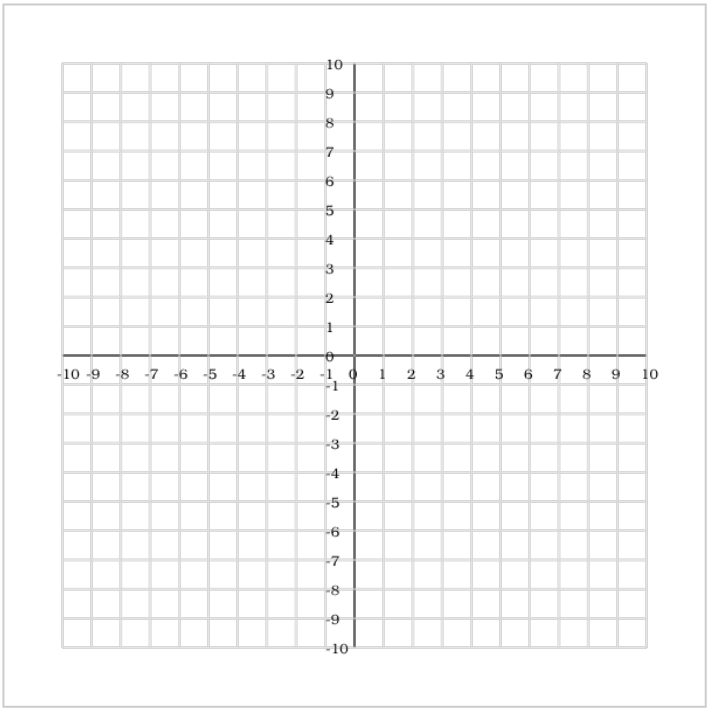
M3.

A car depreciates by £2000 per year from an initial value of £12000. Plot the value over time.



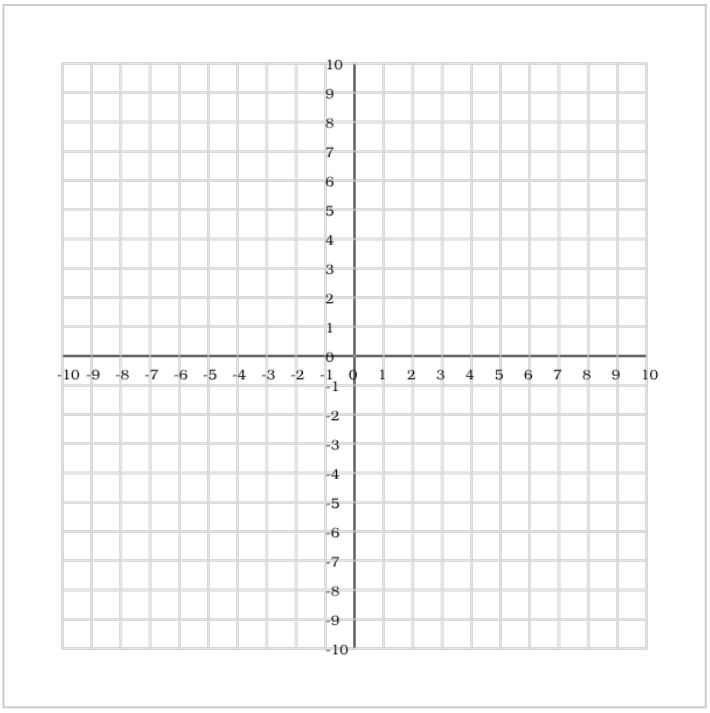
M4.

A swimming pool loses 50 litres per hour from 40000 litres. Plot the water volume over time.



M5.

A candle burns at 2cm per hour from 20cm height. Plot the height against time.



M6.

A savings account gains £50 interest monthly from £1000. Plot the balance over time.