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Graphing real-life functions

Use the tables below to graph functions. Be sure to label and your axis and show scale.

Day # of students in class Month Price of gallon of gas

Mon 27 Jan $2.40

Tues 27 Feb $2.20

Wed 25 March $2.00

Thurs 30 April $1.80

Fri 30 May $2.50

Next Mon 30 June $2.50

Next Tues 25 July $2.80

Next Wed 20 August $2.80

Next Thurs 20 Sept $3.00

Next Fri 28 Oct $2.50

 

Based on the situations described, draw a graph to represent the function. Be sure to label your graph and axis.

**Graph A**: In January, the average daily temperature is 35 degrees. The average temperature increases 10 degrees per month until May. From May to July the average temperature increases by 5 degrees per day. The average temperature stays the same through September. From September through December the average temperature decreases by 15 degrees per month.

**Graph B**: An airplane takes off from ground level and climbs to cruising altitude. After leveling off for a period of time, the plane needs to climb to a higher altitude to avoid turbulence. The plane then cruises at the new altitude for a period. It then descends slowly before landing back at ground level.

Graph A Graph B

 