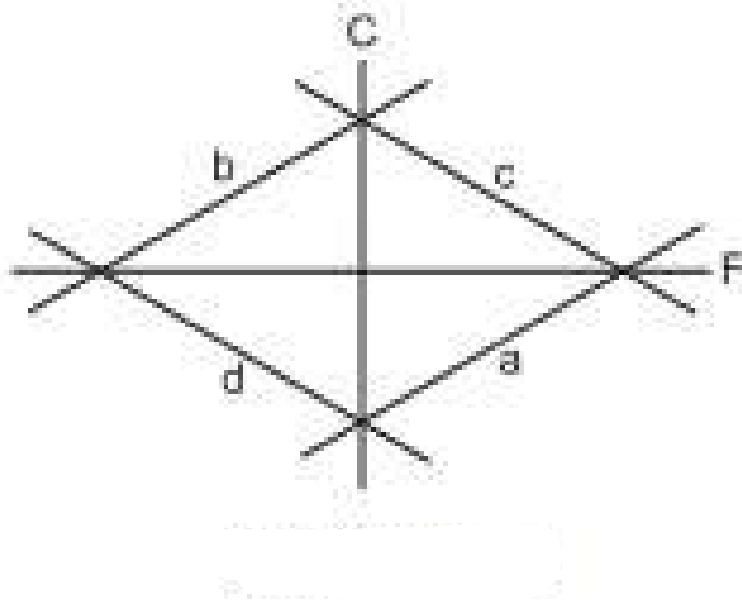


Which of the curves in figure represents the relation between Celsius and Fahrenheit temperatures ?



Relation between Celsius and Fahrenheit scale is given by:-

$$C = \frac{5}{9}(F - 32)$$

$$\Rightarrow C = \frac{5F}{9} - \left(\frac{5}{9}\right)(32)$$

On comparing with $y = mx + c$;

Graph comes out to be a straight line with positive slope and negative intercept

\Rightarrow Option (a) is the answer.