

# Check If a Point Lies on a Line

$$\left( \text{green square}, \text{yellow triangle} \right) \text{ blue circle } X + \text{purple pentagon } Y = \text{pink starburst}$$

$$\text{blue circle} \cdot \text{green square} + \text{purple pentagon} \cdot \text{yellow triangle} = \text{pink starburst}$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \text{pink starburst}$$

If sum = , then the point lies on the line.

If sum  $\neq$  , then the point does not lie on line.