

Fill in the Blanks – Curved Graphs & Turning Points

1. The point where a curve changes from increasing to decreasing is a _____ point.
2. The point where a curve changes from decreasing to increasing is a _____ point.
3. A quadratic graph has the shape of a _____.
4. The line passing through the turning point and dividing a parabola into two symmetrical halves is called the _____ **of symmetry**.
5. For the quadratic function $y = ax^2 + bx + c$, the x-coordinate of the turning point is given by
 $x = \underline{\hspace{2cm}}$.
6. If $a > 0$ in $y = ax^2 + bx + c$, the parabola opens _____.
7. If $a < 0$ in $y = ax^2 + bx + c$, the parabola opens _____.
8. When a parabola opens upwards, its turning point represents a _____ value of y .
9. A parabola is _____ about its axis of symmetry.
10. When a parabola opens downwards, its turning point represents a _____ value of y .

[Answer Option: Upwards, Parabola, Axis, Maximum, Minimum, Downwards, $\frac{-b}{2a}$, Maximum, Minimum, Symmetrical]