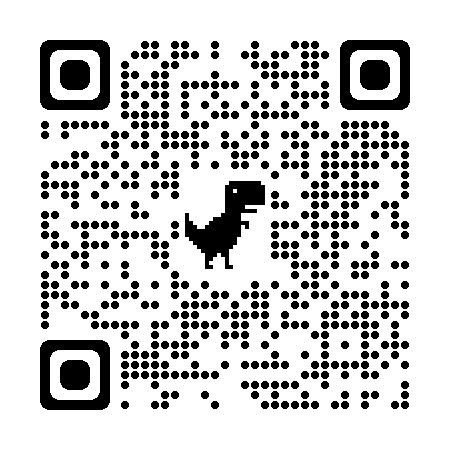
**Tiffany Rodriguez Snowflake Transformation Page - Good day to be a penguin** 

Use the QR code to see the snowflake on Desmos.

|  | Function | Function Family | Transformation Description |
| --- | --- | --- | --- |
| Ex |  | *Absolute Value* | * *Translates down 21 units* * *Vertical stretch by a factor of 4.5* * *Vertical reflection* |
| 1 |  | Sine | * Translates up 2.5 units * Vertical stretch by a factor of 5 * Horizontal stretch by a factor of ½ |
| 2 |  | Cosine | * Translates down 4.5 units * Vertical shrink by a factor of 0.33 |
| 3 |  | Square Root | * Translates down 10 units * Vertical stretch by a factor of 1.5 * Horizontal stretch by a factor of 1.3 |
| 4 |  | Sine | * Translates up 4.26 units * Translates right 2.4 units * Vertical shrink by a factor of 0.4 * Horizontal shrink by a factor of 1.5 |
| 5 |  | Sine | * Translates up 4.35 units * Translates right 2.4 units * Vertical shrink by a factor of 0.4 * Horizontal shrink by a factor of 1.5 |
| 6 |  | Sine | * Translates up 4.17 units * Translates right 2.4 units * Vertical shrink by a factor of 0.4 * Horizontal shrink by a factor of 1.5 |
| 7 |  | Cosine | * Translates down 4.4 units * Vertical shrink by a factor of 1/22 * Horizontal shrink by a factor of 8 |
| 8 |  | Cubic | * Translates down 4.4 units * Vertical stretch by a factor of 2.3 * Translates left 4.25 units |
| 9 |  | Cubic | * Translates down 4.456 units * Translates right 2.55 units * Horizontal reflection * Vertical stretch by a factor of 3.5 |
| 10 |  | Cosine | * Translates down 4 units * Vertical shrink by a factor of 1/22 * Horizontal shrink by a factor of 8 |
| 11 |  | Cubic | * Translates down 4.07 units * Translates left 8.5 units * Vertical stretch by a factor of 3.5 |
| 12 |  | Cubic | * Translates down 4 units * Translates right 6.87 units * Horizontal reflection * Vertical stretch by a factor of 3.5 |
| 13 |  | Cosine | * Translates down 5.1 units * Vertical shrink by a factor of 1/22 * Horizontal shrink by a factor of 8 |
| 14 |  | Cubic | * Translates doens 5.194 units * Translates left 6.9 units * Vertical stretch by a factor of 2 |
| 15 |  | Cubic | * Translates down 5.194 units * Translates right 4.29 units * Horizontal reflection * Vertical stretch by a factor of 2 |
| 16 |  | Absolute Value | * Translates down 1 unit * Translates right 6.8 units * Vertical reflection * Vertical stretch by a factor of 1.2 |
| 17 |  | Absolute Value | * Translates down 0.5 units * Translates right 6.8 units * Vertical reflection * Vertical stretch by a factor of 1.5 |
| 18 |  | Absolute Value | * Translates down 2.5 units * Tranaslates right 1.5 units * Horizontal shrink by a factor of 1.47 * Vertical reflection |
| 19 |  | Linear | * Vertical reflection * Translates up 2 units * Vertical stretch by a factor of 1.5 |
| 20 |  | Linear | * Vertical reflection * Vertical shrink by a factor of 0 * Translates down 2.5 units |
| 21 |  | Linear | * Translates down 4.38 units * Vertical reflection * Vertical shrink by a a factor of 0 |
| 22 |  | Linear | * Translates down 3.82 units * Vertical reflection * Vertical shrink by a a factor of 0 |
| 23 |  | Linear | * Translates down 4.1999 units * Vertical reflection * Vertical shrink by a factor of 0.33 |
| 24 |  | Logarithmic | * Translates down 2.8 units * Translates right 6.34 units * Vertical shrink by a factor of ½ |
| 25 |  | Logarithmic | * Translates down 2.8 units * Horizontal reflection * Translates left 7.3 units * Vertical shrink by a factor of ½ |
| 26 |  | Absolute Value | * Translatejs down 8.04 units * Vertical reflection * Translates left 3.09 units |
| 27 |  | Absolute Value | * Translatejs down 8.037 units * Vertical reflection * Translates left 2.12 units |
| 28 |  | Sine | * Translates down 8.42 units * Vertical shrink by a factor of 1/20 * Horizontal shrink by a factor of 26 |
| 29 |  | Sine | * Translates down 8.393 units * Vertical shrink by a factor of 1/20 * Horizontal shrink by a factor of 26 |
| 30 |  | Absolute Value | * Translates down 6.2 units * Translate left 2.6 units * Vertical stretch by a factor of 1.2 |
| 31 |  | Absolute Value | * Translates down 6.11 units * Translate left 2.6 units * Vertical shrink by a factor of 0.9 |
| 32 |  | Absolute Value | * Translates down 5.69 units * Translate left 2.6 units * Vertical shrink by a factor of ½ * Vertical reflection |
| 33 |  | Cosine | * Translates down 12 units * Vertical stretch by a factor of 1.8 |
| 34 |  | Cosine | * Translates down 12 units * Vertical stretch by a factor of 1.8 * Vertical reflection |