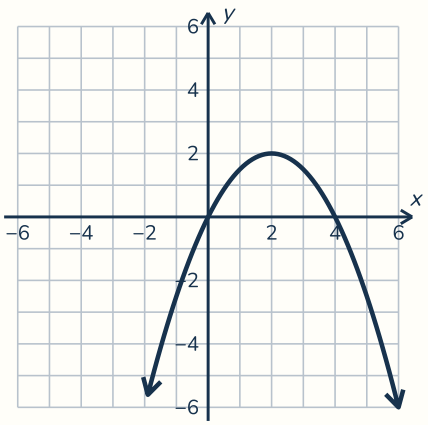
Key features of a graph — Parabolas

Name: _____ Date: _____

Read the key features of each parabola. Arrows mean it keeps going.

1



Vertex (2, 2)

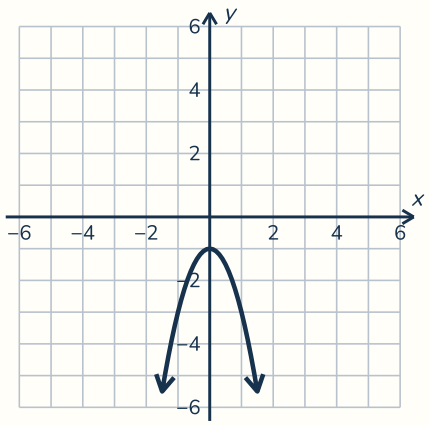
x-intercepts 0, 4

y-intercept 0

Increasing on (−∞, 2)

Decreasing on (2, ∞)

2



Vertex _____

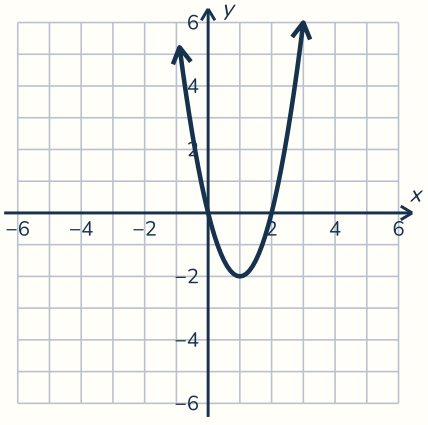
x-intercepts _____

y-intercept _____

Increasing on _____

Decreasing on _____

3



Vertex _____

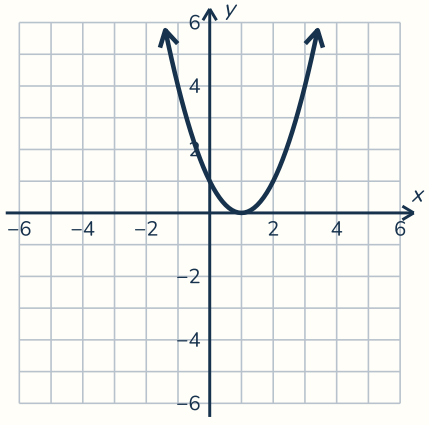
x-intercepts _____

y-intercept _____

Increasing on _____

Decreasing on _____

4



Vertex _____

x-intercepts _____

y-intercept _____

Increasing on _____

Decreasing on _____

Key features of a graph · Parabolas — Answer key

1. Vertex (2, 2); x-intercepts 0, 4; y-intercept 0; Increasing on (−∞, 2); Decreasing on (2, ∞)

2. Vertex (0, −1); x-intercepts none; y-intercept −1; Increasing on (−∞, 0); Decreasing on (0, ∞)

3. Vertex (1, −2); x-intercepts 0, 2; y-intercept 0; Increasing on (1, ∞); Decreasing on (−∞, 1)

4. Vertex (1, 0); x-intercepts 1; y-intercept 1; Increasing on (1, ∞); Decreasing on (−∞, 1)