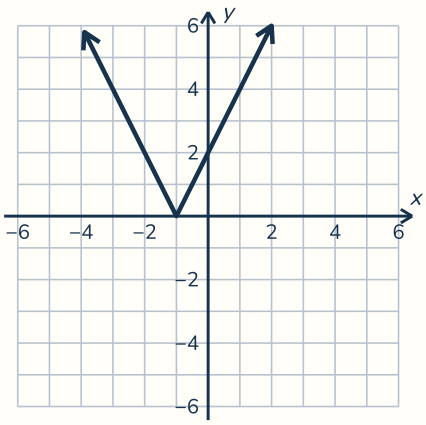
Key features of a graph — Absolute value

Name: _____ Date: _____

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

1



Vertex (−1, 0)

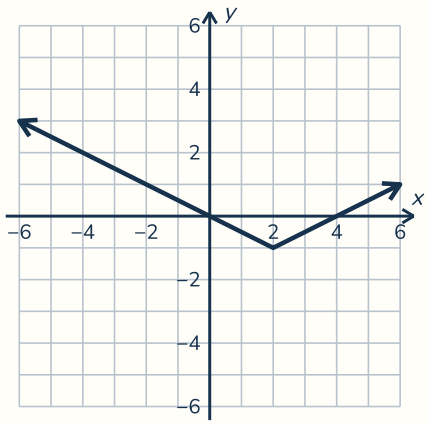
x-intercepts −1

y-intercept 2

Increasing on (−1, ∞)

Decreasing on (−∞, −1)

2



Vertex _____

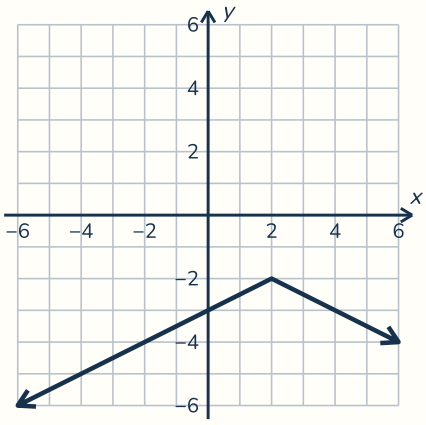
x-intercepts _____

y-intercept _____

Increasing on _____

Decreasing on _____

3



Vertex _____

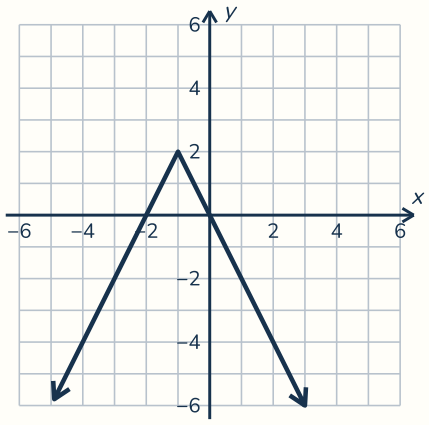
x-intercepts _____

y-intercept _____

Increasing on _____

Decreasing on _____

4



Vertex _____

x-intercepts _____

y-intercept _____

Increasing on _____

Decreasing on _____

Key features of a graph · Absolute value — Answer key

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

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

3. Vertex (2, −2); x-intercepts none; y-intercept −3; Increasing on (−∞, 2); Decreasing on (2, ∞)

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