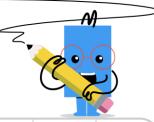# mobius

Quadratics Vertex Form - Min/Max Y to Range

Name _____

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1 What is the range of a function with this min/max of y?

Min: 2

A	B
$[1.5, -3]$	$[2, \infty)$

C	D
$(-\infty, 1.5]$	$[-3, \infty)$

2 What is the range of a function with this min/max of y?

Min: -1

A	B	C
$(-\infty, 4]$	$[1.5, 4]$	$[-1, \infty)$

D		
$[4, \infty)$		

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3 What is the range of a function with this min/max of y?

Max: -4

A	B
$[-4, -3]$	$[-1, -3]$

C	D
$(-\infty, -4]$	$(-\infty, -3]$

4 What is the range of a function with this min/max of y?

Max: -1

A	B
$(-\infty, -1]$	$[-1.5, -3]$

C	D
$(-\infty, -3]$	$(-\infty, -1.5]$

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5 What is the range of a function with this min/max of y?

Max: -3

A	B
$(-\infty, -0.5]$	$(-\infty, -3]$

C	D
$[-0.5, -3]$	$[-3, -3]$

6 What is the range of a function with this min/max of y?

Max: 4

A	B
$[3, \infty)$	$[-1.5, \infty)$

C	D
$[4, 3]$	$(-\infty, 4]$

---

7 What is the range of a function with this min/max of y?

Min: 4

A	B
$(-\infty, 0.5]$	$[4, \infty)$

C	D
$[0.5, -2]$	$[-2, \infty)$

8 What is the range of a function with this min/max of y?

Max: 3

A	B
$(-\infty, -2]$	$(-\infty, 3]$

C	D
$(-\infty, -1.5]$	$[-1.5, -2]$

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