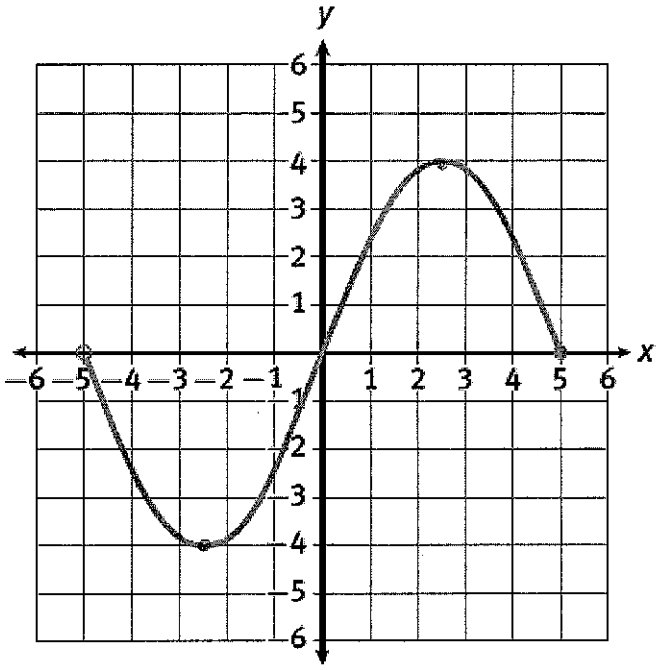
Name KEY

Characteristics of Graphs Worksheet



Domain: [-5, 5]

Range: [-4, 4]

Max: (2.5, 4) absolute (-5, 0) relative

Min: (-2.5, -4) absolute (5, 0) relative

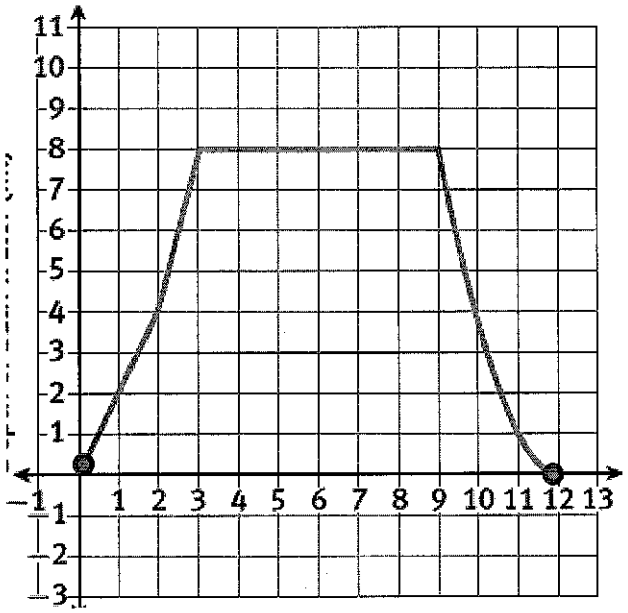
Discrete or (continuous?)

y – intercept(s): (0, 0)

x-intercepts(s): (-5, 0) (0, 0) (5, 0)

7* f(5) = 0

f(5) = 0 and 0 • 7 = 0



Domain: [0, 12]

Range: [0, 8]

Max: y = 8

Min: (0, 0) (12, 0) absolute

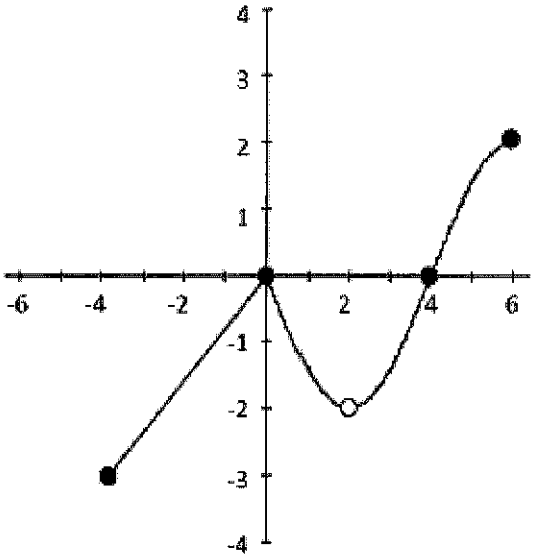
Interval of increase: [0, 3]

Interval of decrease: [9, 12]

f(2) + f(9) = 12

f(2) = 4

f(9) = 8 and 4 + 8



Domain [-4, 6]

Range [-3, 2]

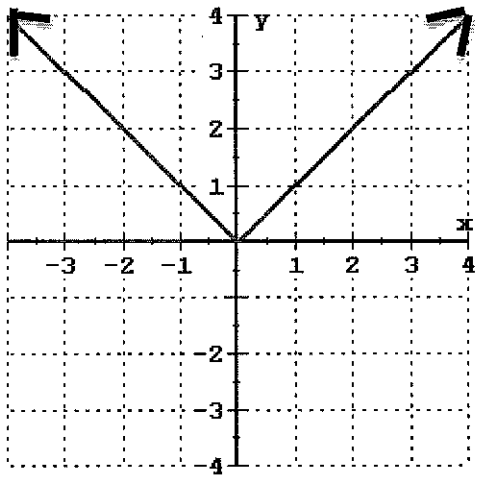
Intervals of increase [-4, 0] ∪ (2, 6]

Interval of decrease [0, 2)

Min (4, 3) abs (2, -2) rel Max (6, 2) absolute (0, 0) relative

f(-4) + f(6) -1

f(-4) = -3
f(6) = 2 and -3 ≠ 2



Domain (-∞, ∞)

Range [0, ∞)

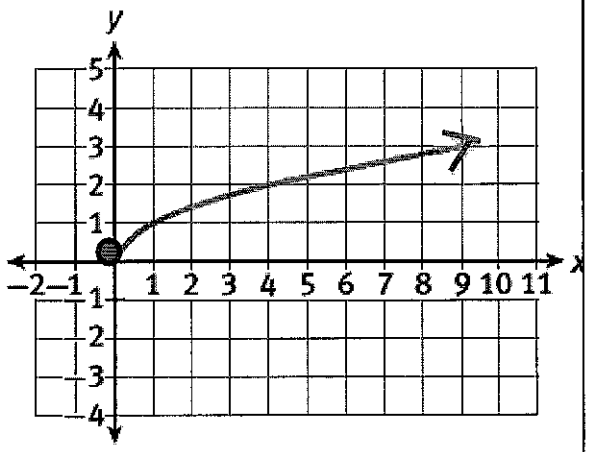
Interval of increase [0, ∞)

Interval of decrease (-∞, 0]

Min (0, 0) abs Max —

End Behavior as $x \to -\infty$, $y \to \infty$

as $x \to \infty$, $y \to \infty$



Domain [0, ∞)

Range [0, ∞)

Interval of increase [0, ∞)

Interval of decrease —

End Behavior as $x \to \infty$, $y \to \infty$

No End Behavior as $x \to -\infty$