

Features of Functions

For each graph answer the following questions.

1. a) Interval(s) increasing:
 $[3, \infty)$ or $3 \leq x < \infty$

b) Interval(s) decreasing:

$[-2, 3]$ or $-2 \leq x \leq 3$

~~c) Interval(s) constant:~~

d) Domain: x-values
 $[-2, \infty)$ or $-2 \leq x < \infty$

e) Range: y-values
 $[-2, \infty)$ or $-2 \leq y < \infty$

f) Maximum:
 ∞

g) Minimum
 -2

2. a) Interval(s) increasing:

$[11, \infty)$ or $11 \leq x < \infty$

b) Interval(s) decreasing:

$(-\infty, 7]$ or $-\infty < x \leq 7$

~~c) Interval(s) constant:~~

d) Domain:
 $(-\infty, \infty)$

e) Range:
 $[5, \infty)$

f) Maximum:
 ∞

g) Minimum
 5

