

Calculus 12
8-2 Intervals

1. Express the interval in terms of inequalities and graph the interval:

a) $(-2, 6)$ b) $[-3, -2)$

c) $(1, 4]$ d) $[-2, 1.5]$

e) $[3, \infty)$ f) $(-\infty, 2)$

g) $(-\infty, 1)$ h) $\left(-\frac{3}{2}, \infty\right)$

2. Express the inequality in interval notation and graph the corresponding interval.

a) $x < 2$ b) $0 < x < 3$

c) $-1 \leq x < 2$ d) $x > 1$

e) $-1 \leq x \leq 3$ f) $x \leq -1$