Calculus AB

Answers to page HW: Pages 100-101.

5a. (4, -12) – rel max.

No inflection points.

5b. (-2, -19) – rel min.

(1, 8) – rel max.

(-.5, -5.5) – IP.

5c. No extrema.

(2.5, 0) – IP.

5d. no extrema.

(0, -2) IP.

5e. (0,0) – rel max.

5f. (pi/2,2) and (3Pi/2,0) – rel maxs.

(7Pi/6, -.25) and (11Pi/6, -.25) – rel mins.

5g. no rel extrema.

(Pi/2, Pi/2) and (3Pi/2, 3Pi/2) – IPs.

5h. (-2/3, -2/3 \* sqrt(1/3)) – rel min

5i. approximately (0, 6.346) – rel max.

(4,0), (-4,0)- rel mins.