

61 (a) The maximum monthly average precipitation is about 8 inches.

The minimum monthly average precipitation is about 0.5 inches.

(b) The amplitude is $0.5(8 - 0.5) = 3.75$. The amplitude represents half of the difference between the maximum and minimum average monthly precipitation.

(c) A graph that models precipitation could touch the x-axis but it could not go below the x-axis. This is because average precipitation could not be a negative value.

(d) An average month has $0.5(8 + 0.5) = 4.25$ inches of precipitation. Over a one year period this would amount to a yearly average precipitation of $4.25(12) = 51$ inches.