

$$f(y) = x^{2} - 2x + 1 \quad a = 2 \quad b = 5$$

$$f_{ave} = \frac{1}{5-2} \int_{2}^{5} (x^{2} - 2x + 1) \, dx$$

$$= \frac{1}{3} \left[\frac{x^{3}}{3} - \frac{2x^{2}}{4} + x \right]_{2}^{5}$$

$$= 7$$

$$At what x-value does fave occur?.$$

$$7 = x^{2} - 2x + 1$$

$$O = x^{2} - 2x - 6$$

$$gurdiatic formula fall between a + b.$$