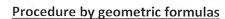
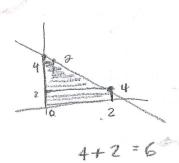
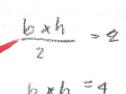
2) Give the graph (remember to shade the corresponding area) whose area is given by the following definite integral. Then use a geometric formula to evaluate the integral (by finding the area) (15 points each)

$$\int_{0}^{2} (4-x) dx$$



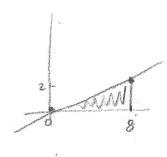


Procedure by geometric formulas
$$\int_{0}^{2} (4-x) dx = 6 u^{2}$$
by the equation of the procedure by geometric formulas
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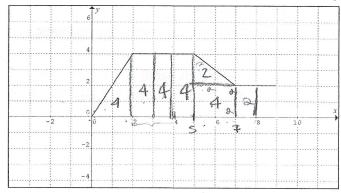
3)
$$\int_{0}^{8} \frac{x}{4} dx$$
Graph

Procedure by geometric formulas



$$A = 8x^{2}$$

3) Based on the following graph evaluate the given definite integrals (5 points each):



$$1. \int_{0}^{3} f(x) dx$$

$$\int_{0}^{\pi} f(x) dx$$

$$\int_{3-5}^{7} I(X)$$

$$\int_{8}^{2} f(x)dx = 8 u^{2}$$
2. \(\frac{8}{8} \) \(f(x) \) \(dx \)
4. \(\frac{0}{8} \) \(24 \)