



$$S = \frac{1}{2}(x+x+x)$$
$$S = \frac{1}{2}(3x)$$
$$S = \frac{3}{2}x$$

$$A = \sqrt{s(s-a)(s-b)(s-c)}$$
$$A = \sqrt{\frac{3}{2}x(\frac{3}{2}x-x)(\frac{3}{2}x-x)(\frac{3}{2}x-x)}$$
$$A = \sqrt{\frac{3}{2}x(\frac{1}{2}x)(\frac{1}{2}x)(\frac{1}{2}x)} = \frac{\sqrt{3}}{4}x = \frac{\sqrt{3}}{16}x^2$$

