

$$\boxed{55} \quad AB = \sqrt{(500 - 100)^2 + (200 - 300)^2} \approx 412.31056 \text{ pixels or } 412.31056(0.015) \approx 6.18 \text{ inches.}$$

$$AC = \sqrt{(320 - 100)^2 + (600 - 300)^2} \approx 372.02150 \text{ pixels or } 372.02150(0.015) \approx 5.58 \text{ inches.}$$

$$BC = \sqrt{(500 - 320)^2 + (200 - 600)^2} \approx 438.63424 \text{ pixels or } 438.63424(0.015) \approx 6.58 \text{ inches.}$$

Continue by using Heron's formula:

$$s = \frac{1}{2}(6.18 + 5.58 + 6.58) = 9.17$$

$$\Rightarrow \text{Area} = K = \sqrt{9.17(9.17 - 6.18)(9.17 - 5.58)(9.17 - 6.58)} \approx 15.96678 \approx 16.0 \text{ in}^2$$