

Distance Question 26

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$$(x, y)_{\text{city hall}} = (7, 5) \tag{1}$$

$$(x, y)_{\text{theater}} = (2, 3) \tag{2}$$

$$d_{\text{city hall} \rightarrow \text{theater}} = \sqrt{(7-2)^2 + (5-3)^2} \tag{3}$$

$$d = \sqrt{25 + 4} \tag{4}$$

$$d = \sqrt{29} \tag{5}$$