

Answers to “Test Yourself” No. 13

Find The Distance

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Problem attack: First lets find the horizontal distance between the two points.
Second (and using horizontal distance) lets compute the slope distance.

$$\text{Horizontal Distance} = \sqrt{((5 + 67.89) - (3 + 45.67))^2 + (42.42 + 76.67)^2}$$

$$\text{Horizontal Distance} = 252.119$$

$$\text{Slope Distance} = \sqrt{(995.55 - 987.65)^2 + 252.119^2}$$

$$\text{Slope Distance} = 252.24 \text{ feet}$$