



Solution to
Problem
145

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- a) Bearing 045.674° **SDQ = 8**, Reverse Bearing 225.674° **SDQ = 8** — Not incorrect
- b) Bearing $088^\circ 21' 47''$ **SDQ = 3**, Reverse Bearing $268^\circ 21' 47''$ **SDQ = 3** — Not incorrect
- c) Bearing 123.550° **SDQ = 7**, Reverse Bearing 303.550° **SDQ = 7** — Not incorrect
- d) Bearing $327^\circ 58.6'$ **SDQ = 4**, Reverse Bearing $147^\circ 58.6'$ **SDQ = 4** — Not incorrect
- e) We need only add all of the SDQ values, $SDQ(8 + 3 + 7 + 4) = 4$, Reverse Bearing $SDQ(8 + 3 + 7 + 4) = 4$ — Not incorrect
- f) Since $SDQ(180) = 9$, an SDQ of 9 when added to any other SDQ does not change its value. See problem 135 part A.

Rule: If the Reverse Bearing and Bearing SDQ values are different then there is an error. If they are the same it does not mean that there is no error.