# Draw Orion: Plot, Label, and Connect the Constellation

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Plot three belt stars on a grid using hypothetical coordinates Alnitak (3.5, 4.5), Alnilam (4.5, 4.5), Mintaka (5.5, 4.5). Label each with name and magnitude (1.7, 1.7, 2.2). Connect them in order and check spacing.

Answer: Plot points at the given coordinates. Draw a straight line from Alnitak to Alnilam and from Alnilam to Mintaka. Label each star. Check: Alnitak to Alnilam is 1.0 unit; Alnilam to Mintaka is 1.0 unit. The belt is evenly spaced and labels are readable.