Joint-Angle Mannequin Sketches: A Practice Guide for Pose Drawing

Original task 1 / independent drawing and calculation

Task 1

Draw a standing mannequin with the torso vertical at 90 degrees. The right arm points straight up at 90 degrees from the shoulder. The left arm points straight down at 270 degrees. Both legs point straight down at 270 degrees. Label all segment angles and joint angles. Use a horizontal baseline.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

Draw a mannequin with the torso leaning right at 45 degrees from the hip. The right thigh points right at 0 degrees. The right shin points up at 90 degrees. The left thigh points left at 180 degrees. The left shin points down at 270 degrees. Label all segment angles and joint angles.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

Draw a mannequin in a running pose. The torso is at 80 degrees. The right arm is at 30 degrees. The left arm is at 150 degrees. The right thigh is at 300 degrees. The right shin is at 240 degrees. The left thigh is at 120 degrees. The left shin is at 60 degrees. Label all segment angles and joint angles.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

Draw a mannequin with the torso at 270 degrees (pointing down, as if inverted). The right arm is at 0 degrees. The left arm is at 180 degrees. The right leg is at 90 degrees. The left leg is at 90 degrees. Label all segment angles and joint angles. Note any joint where the smaller angle is ambiguous.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.