Cyclist Figure Drawing: Bike Frame, Posture, and Pedal Contact

Original task 1 / independent drawing and calculation

Task 1

Draw a side-view cyclist with wheel radius 20 mm and wheelbase 80 mm. Place the bottom bracket 30 mm from the rear wheel center. Mark the frame anchors and draw the frame loop. State one check you performed.

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

A rider has thigh 35 mm and shin 33 mm. The pedal is forward. Draw the leg so the ball of the foot meets the pedal. Where should the knee be relative to the hip?

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 rider whose arm from shoulder to hand is 40 mm. The handlebar is 50 mm from the shoulder anchor. What should you adjust, and why?

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

Using a defined line convention, draw a cyclist with one visible leg and one dashed hidden leg. State your convention and one rubric check you used.

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.