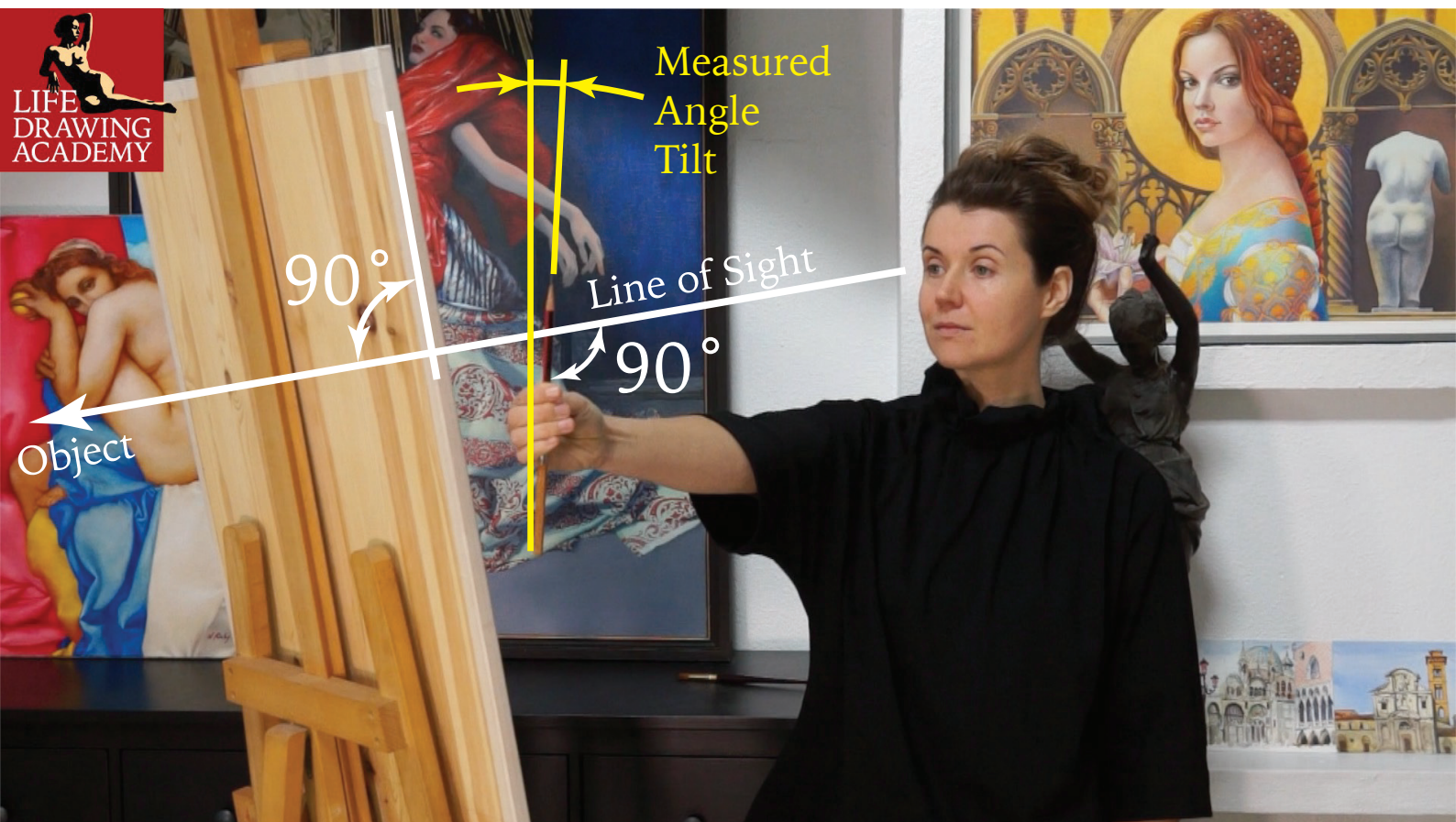


HOW TO MEASURE ANGLES WITH A PENCIL



How to measure angles from life:

1. Arrange a drawing board vertically, perpendicular to your line of sight.
2. Stand or sit in front of the easel at an arm length from the drawing board, so you could see life objects and drawing simultaneously.
3. Hold the pencil with the candle grip.
4. Fully extend your arm with a pencil, so it can touch the drawing board.
The pencil must be parallel to the board.
5. Turn your whole torso without moving your hand and arm toward the life object you measure.
6. Make sure that you keep the pencil strictly perpendicular to your line of sight.
7. Keeping the 90-degree angle between the pencil and the line of sight, close one eye, and rotate the pencil to align it with the angle you measure from life.

If you are not sure what does it mean “90-degrees to the line of sight”, imagine that you are standing in front of the wall. On that wall is a clock with one hand. This clock and its hand are perpendicular to your line of sight, but the hand rotates, showing the time. The same with a pencil in your hand. It must be perpendicular to your line of sight while you rotate it at any angle required.

How to measure angles in drawing:

8. Keeping your arm and hand in the same position, turn your whole torso back to the drawing board.
The pencil must remain perpendicular to the line of sight and be parallel to the drawing board.
9. Compare the pencil's tilt to the angle in drawing. Correct the drawing if required.