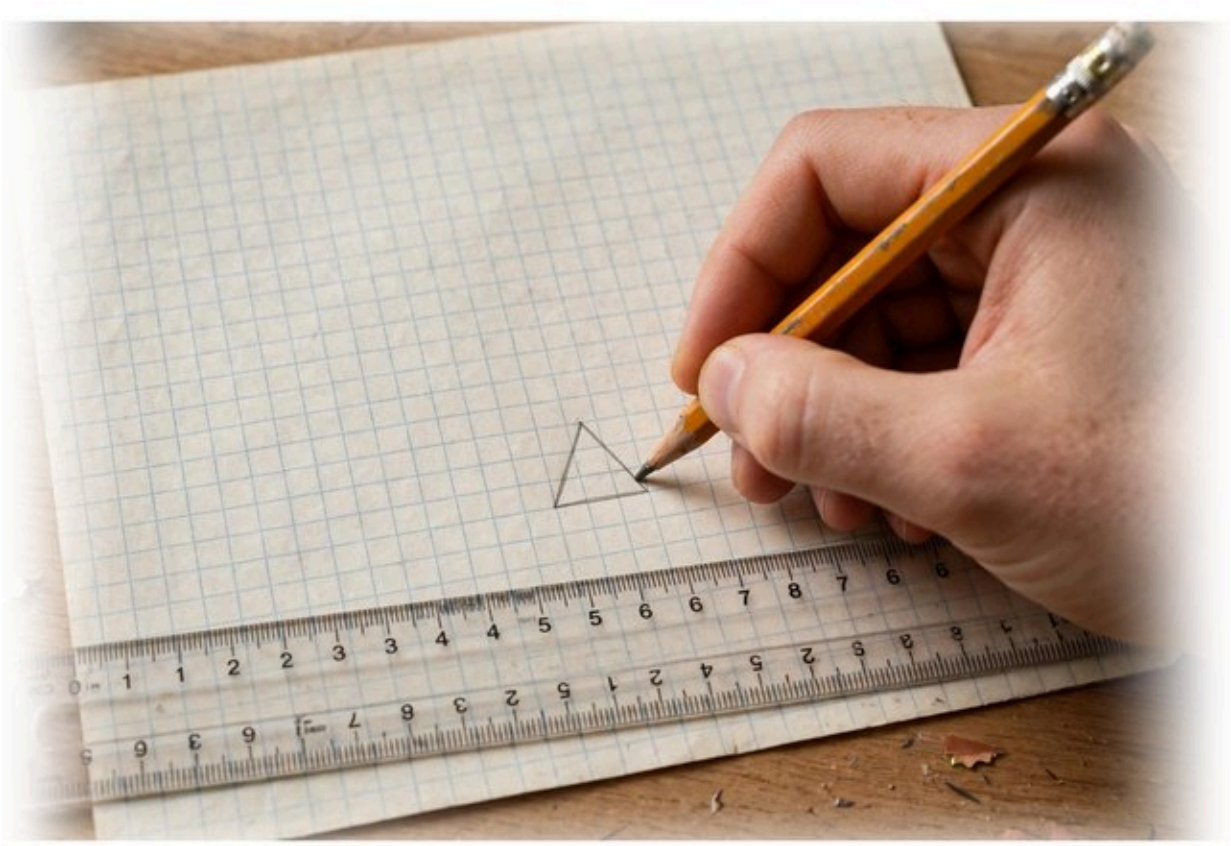
CALIFORNIA GEOMETRY · UNIT 1 · 10 QUESTIONS

Congruence and Transformations — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Under a dilation centered at the origin with scale factor 0.5, the point (8, -6) maps to**



A (-4, 3)

B (4, -3)

C (8, -3)

D (16, -12)

Understand It with Pulse | Flag a mistake

2 **A figure with rotational symmetry of order 4 maps to itself under a rotation of**

A 45°

B 60°

C 120°

D 90°

Understand It with Pulse | Flag a mistake

3 **A square has how many lines of symmetry**



ANSWER

Understand It with Pulse | Flag a mistake

4 **An equilateral triangle has how many lines of symmetry**

ANSWER

Understand It with Pulse | Flag a mistake

5 **Vertical angles are**

A Never equal

B Always congruent

C Always supplementary

D Always complementary

Understand It with Pulse | Flag a mistake

6 **Two angles are complementary if their measures sum to**

A 180°

B 45°

C 90°

D 360°

Understand It with Pulse | Flag a mistake

7 One angle measures 34°. Its complement measures

- A 34°
- B 146°
- C 124°
- D 56°

Understand It with Pulse | Flag a mistake

8 One angle measures 112°. Its supplement measures

- A 112°
- B 248°
- C 68°
- D 22°

Understand It with Pulse | Flag a mistake

9 **The angle bisector of an angle divides it into**

- A Two congruent angles
- B Two right angles
- C Two segments
- D Two supplementary angles

Understand It with Pulse | Flag a mistake

10 **If two lines are both perpendicular to a third line then they are**

- A Perpendicular
- B Skew
- C Parallel
- D Intersecting at 45°

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. D
3. 4
4. 3
5. B
6. C
7. D
8. C
9. A
10. C

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