

# Geometry Final Exam Fall 2021 Form A

1. How many squares are in the  $n^{\text{th}}$  figure? #1

- A.  $4n + 3$   
C.  $4n$

- B.  $4n + 5$   
D.  $4n + 3$



Commented [91]: To save all the answers here, click on the "Review" tab, and then in the "Marking" area, select "Final: Marking Marking"

Commented [12]: =

2. Which of the following terms **best** describes a triangle whose angle measures are  $20^\circ$ ,  $120^\circ$ , and  $40^\circ$ ?

A. acute

B. obtuse

C. equilateral

D. right

E. equiangular

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3. In the equation of the line  $y = 3x - 4$ , what represents the *slope* of the line?

A.  $y$

B.  $3$

C.  $3x$

D.  $-4$

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4. What is the measure of  $\angle XYZ$ ?

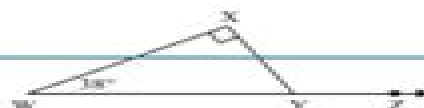
A.  $142^\circ$

B.  $128^\circ$

C.  $118^\circ$

D.  $132^\circ$

E. Cannot be determined



Commented [15]: =

5. The **incenter** of the triangle below is shown. What is the **measure of the angle** marked  $w$ ?

A.  $28^\circ$

B.  $32^\circ$

C.  $120^\circ$

D.  $30^\circ$



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6. The three **medians** of a triangle meet at the ---

A. Orthocenter

B. Circumcenter

C. Incenter

D. Centroid

Commented [17]: =

7. What is the **sum** of the **interior angles** of a convex nonagon ( $n = 9$  sides)?

(A)  $3240^\circ$

(B)  $1260^\circ$

(C)  $1620^\circ$

(D)  $2520^\circ$

Commented [18]: =

8. Which of the following sets of lengths could be the sides of a **right** triangle?

A. 1, 1, 1

B. 6, 8, 10

C. 2, 2, 1

D. none of these

Commented [19]: =

9. A **regular quadrilateral** is named **most specifically** a ---

(A) kite

(B) rhombus

(C) rectangle

(D) square

Commented [20]: =

# Geometry Final Exam Answer Key Cognero

**Judd E. Hollander**



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