

Geometry Final Exam Fall 2021 Form A

1. How many squares are in the n^{th} figure? #1
 A. $4n + 3$ B. $4n - 5$
 C. $4n$ D. $4n + 1$



Commented [91]: To save all the correct keys, click on the "Review" tab, and then on the "Marking" area, select "Final" instead of "Final: Showing Marking"

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2. Which of the following terms **best** describes a triangle whose angle measures are 20° , 120° , and 40° ?
 A. acute B. obtuse C. equilateral D. right E. equilateral

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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°
 B. 128°
 C. 118°
 D. 132°
 E. Cannot be determined



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5. The **incenter** of the triangle below is shown. What is the measure of the angle marked w ?
 A. 28°
 B. 32°
 C. 120°
 D. 30°



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6. The three **medians** of a triangle meet at the ---
 A. Orthocenter B. Circumcenter C. Incenter D. Centroid

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7. What is the **sum** of the **interior angles** of a convex nonagon ($n = 9$ sides)?
 (A) 3240° (B) 1260° (C) 1620° (D) 2520°

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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

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9. A **regular quadrilateral** is named **most specifically** a ---
 (A) kite (B) rhombus (C) rectangle (D) square

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SJ Ball



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