Geometry 1

Unit 4:Triangle Congruency

Day 7 Warm up G-CO.10 Triangle Sum Theorem

WARM-UP

1. In $\Box ABC$, $m \angle A = x$, $m \angle B = 2x + 2$, and $m \angle C = 3x + 4$. What is the value of x?

D. 61

2. Juliann plans on drawing ABC, where the

measure of $\angle A$ can range from 50° to 60° and the

measure of $\angle B$ can range from 90° to 100°. Given these conditions, what is the correct range of

measures possible for $\angle C?$

A. 20° to 40° B. 30° to 50° C. 80° to 90° D. 120° to 130°







WARM-UP

1. In ABC, $\underline{m} \angle A = x$, $\underline{m} \angle B = 2x + 2$, and

 $\underline{m} \angle C = 3x + 4$. What is the value of x?

A. 29

B. 31 C. 59

D. 61

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measure of 2A can range from 50° to 60° and the

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A. 20° to 40° B. 30° to 50°

C. 80° to 90°

D. 120° to 130°

3. In the diagram of JEA below, <u>m∠JEA</u> = 90 and <u>m∠EAJ</u> = 48. It is given that <u>m∠EAS</u> = 59. What is <u>m∠JSM</u>?



C. 42

D. 17