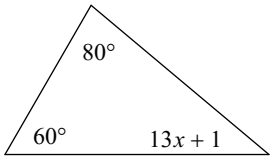
Geometry EOC Review Name_____

Unit 2/3 - Congruence and Triangles

Date_____ Period____

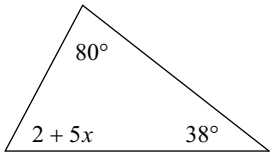
Solve for *x*.

1)



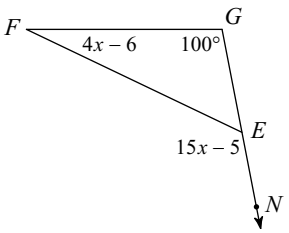
A) −4 B) 3
C) −11 D) −12

2)



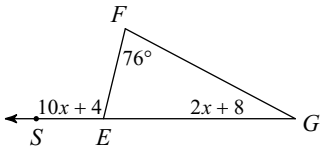
A) −10 B) −2
C) −9 D) 12

3)



A) 10 B) 7
C) 3 D) 9

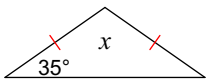
4)



A) 8 B) 10
C) 2 D) 6

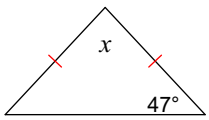
Find the value of *x*.

5)



A) 119° B) 124°
C) 142° D) 110°

6)



A) 86° B) 78°
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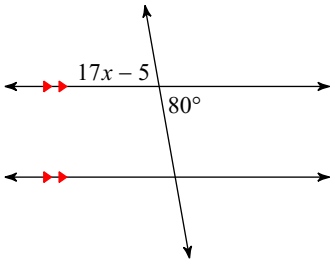
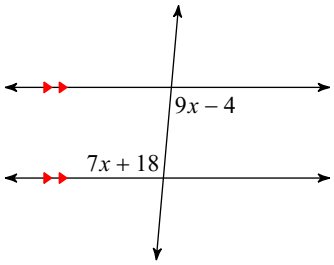
Solve for *x*.

7)



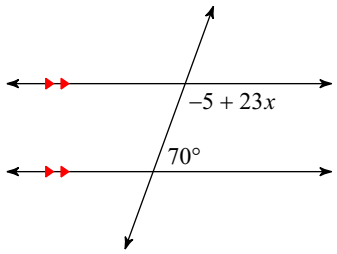
A) 5 B) −8
C) 2 D) 9

8)



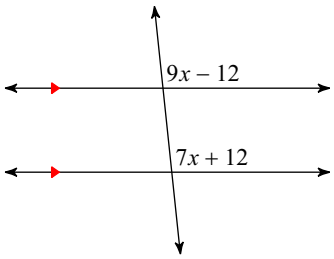
A) 3 B) 11
C) 8 D) −5

9)



A) 5 B) 4
C) −7 D) 3

10)



A) 8 B) 12
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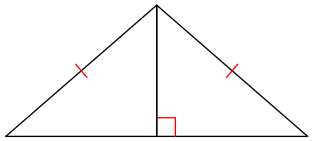
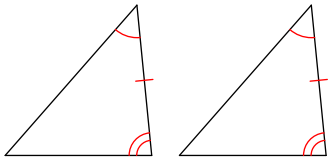
State if the two triangles are congruent. If they are, state how you know.

11)



A) LL B) HL
C) HA D) SAS

12)



A) HL B) SSS
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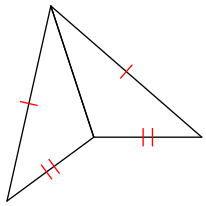
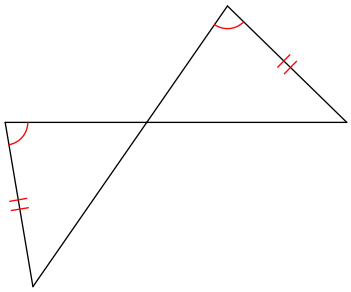


A) HL B) Not congruent
C) SSS D) SAS

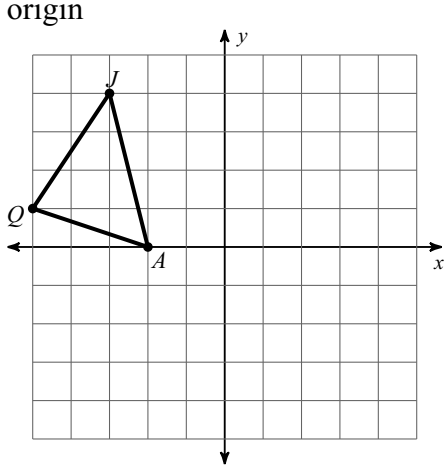
14)



A) Not congruent B) ASA
C) LA D) AAS

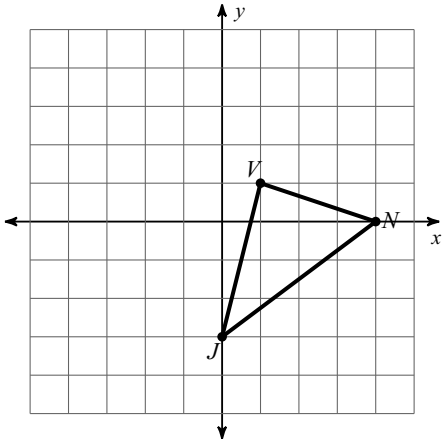
Find the coordinates of the vertices of each figure after the given transformation.

15) rotation 90° counterclockwise about the origin



A) $J'(-1, 4), A'(-2, 0), Q'(1, 1)$
B) $J'(1, 4), A'(0, 0), Q'(3, 1)$
C) $Q'(5, -1), J'(3, -4), A'(2, 0)$
D) $Q'(-1, -5), J'(-4, -3), A'(0, -2)$

16) reflection across $x = 2$



A) $V'(1, 1), N'(4, 2), J'(0, 5)$
B) $V'(3, 1), N'(0, 0), J'(4, -3)$
C) $J'(0, 3), V'(-1, -1), N'(-4, 0)$
D) $V'(1, 1), N'(-2, 0), J'(2, -3)$

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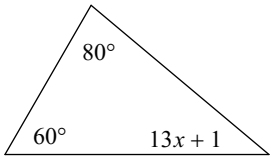

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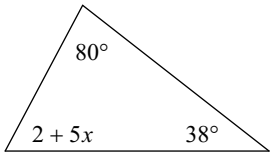

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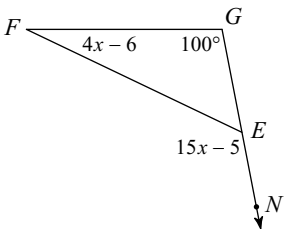

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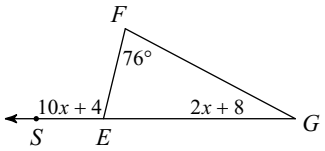

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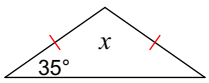

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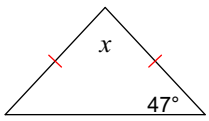

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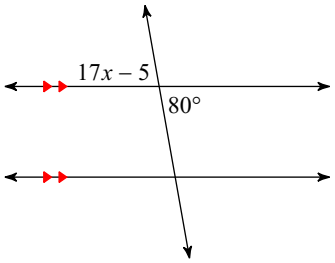

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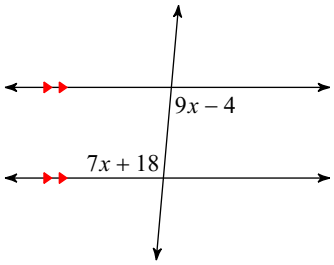

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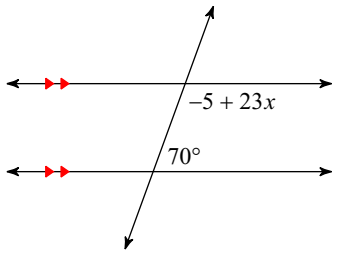

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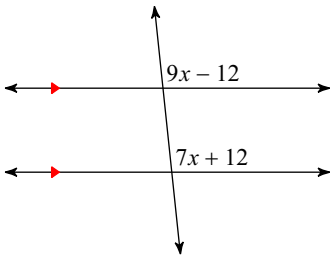

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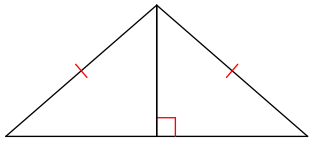

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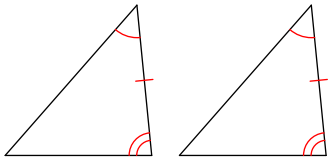

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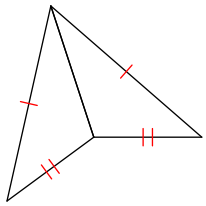

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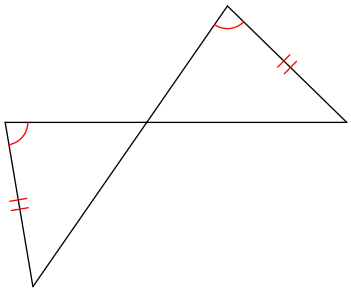

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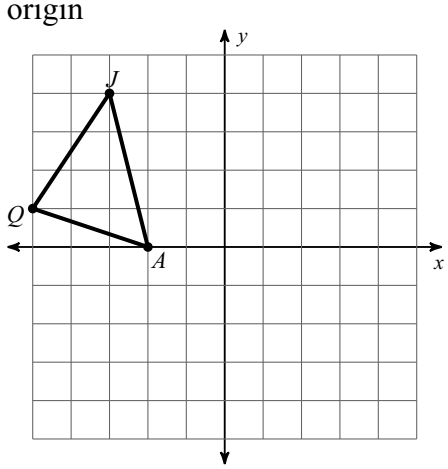

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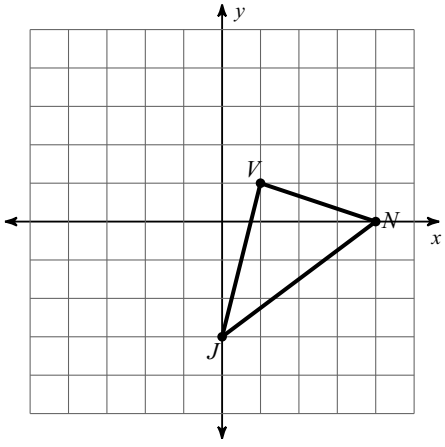

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