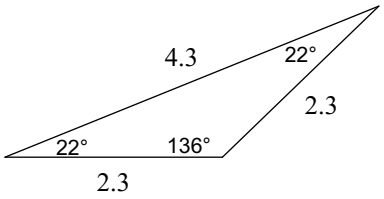
Math 8IB Name_____ ID: 1

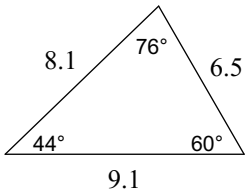
Review of Angles, Size Transformations & Similar Triangles

Classify each triangle by its angles and sides.

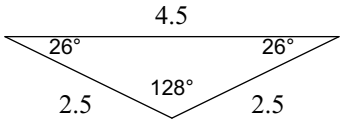
1)



2)



3)



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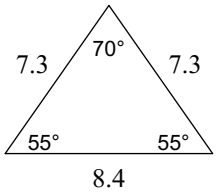
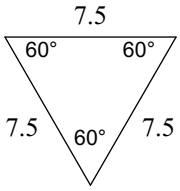


5)



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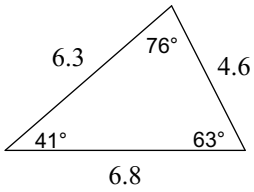
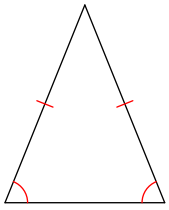


Classify each triangle by its angles and sides. Equal sides and equal angles, if any, are indicated in each diagram.

7)



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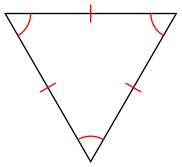
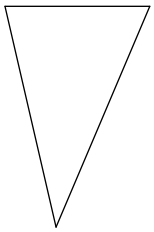


9)



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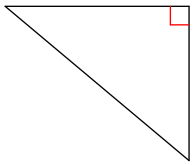

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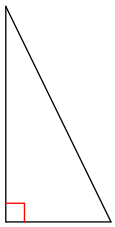
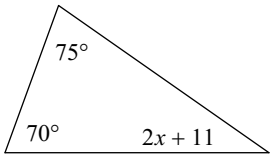


Solve for *x*.

12)



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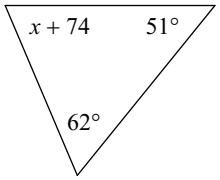

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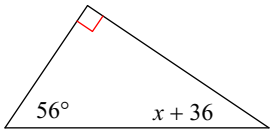

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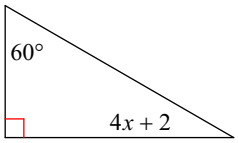

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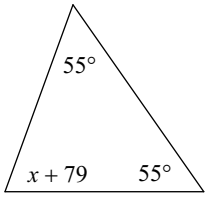

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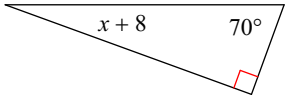
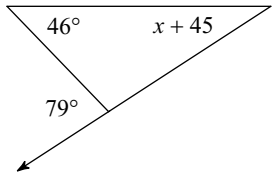


18)



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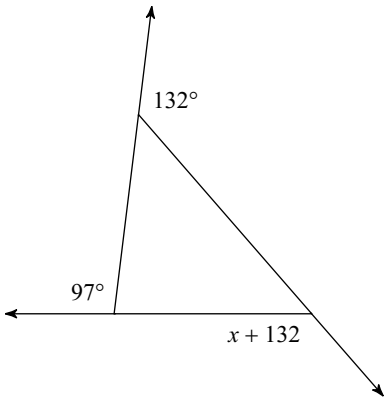

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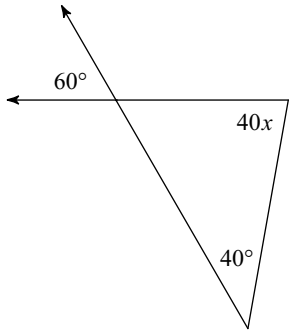

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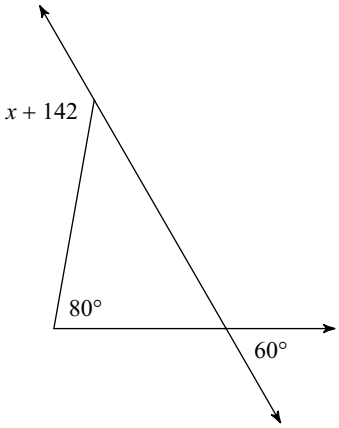

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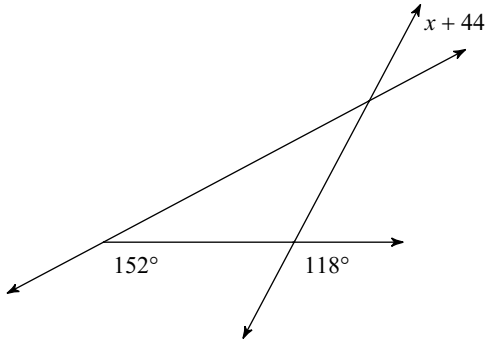
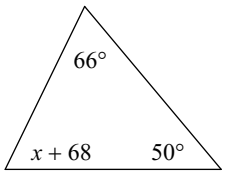
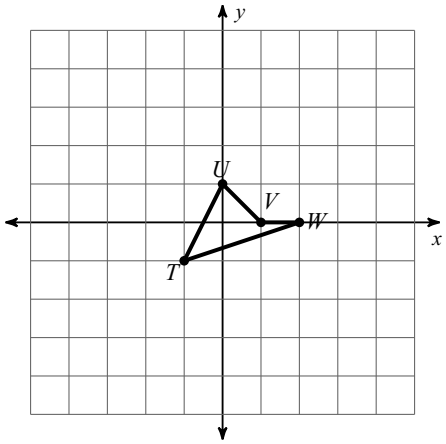


23)

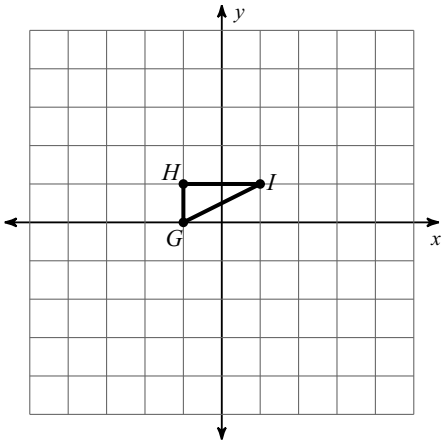


Graph the image of the figure using the transformation given.

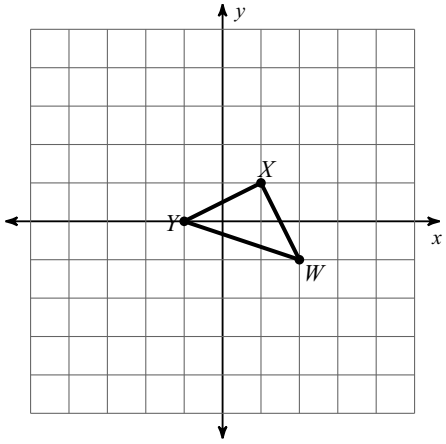
24) dilation of 1.5 about the origin



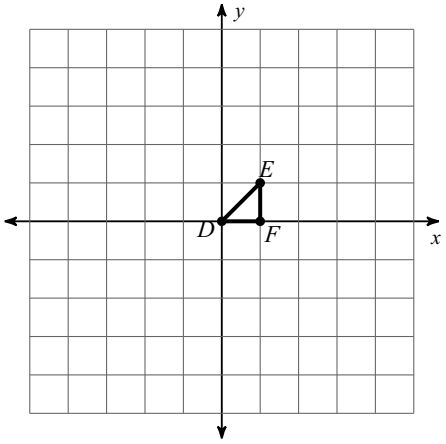
25) dilation of 2.5 about the origin



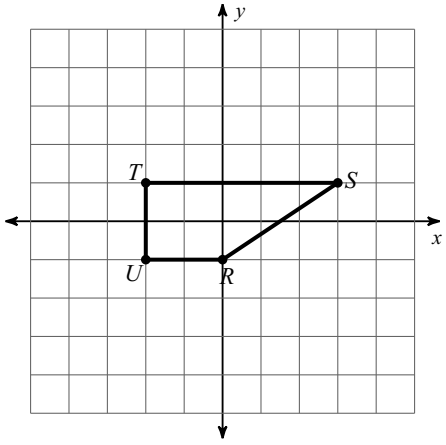
26) dilation of 1.5 about the origin



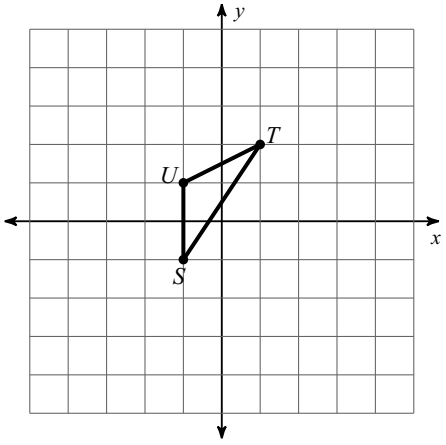
27) dilation of 4 about the origin



28) dilation of 1.5 about the origin

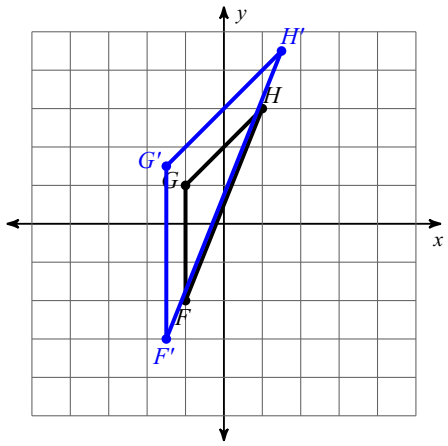


29) dilation of 2 about the origin

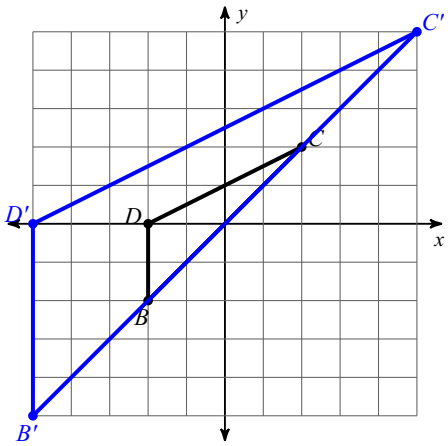


Write a rule to describe each transformation.

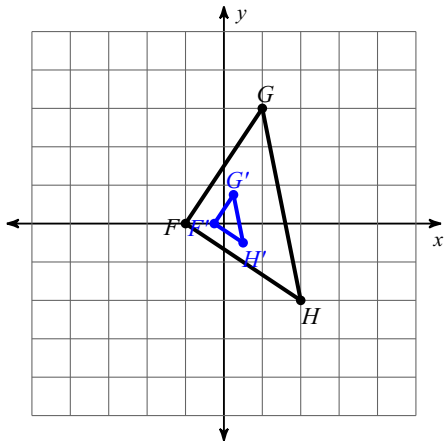
30)



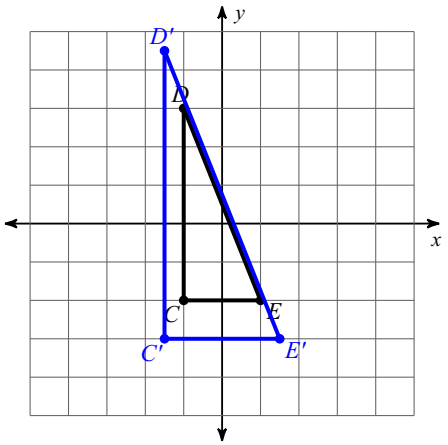
31)



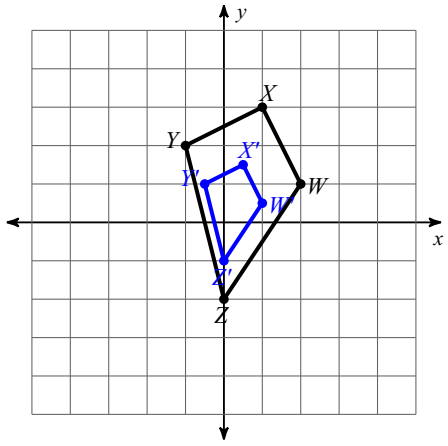
32)



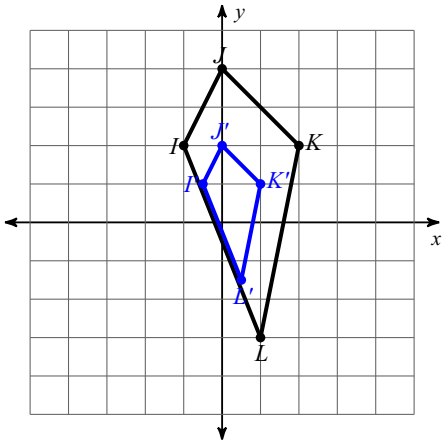
33)



34)



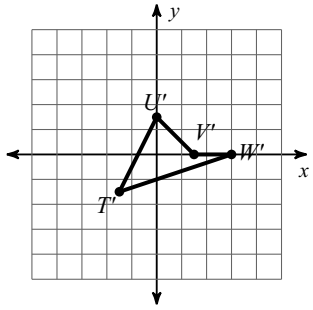
35)



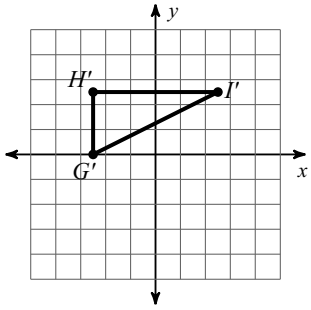
Answers to Review of Angles, Size Transformations & Similar Triangles (ID: 1)

1) obtuse isosceles
2) acute scalene
3) obtuse isosceles
4) acute isosceles
5) equilateral
6) acute scalene
7) acute isosceles
8) equilateral
9) acute scalene
10) right scalene
11) right scalene
12) 12
13) −7
14) −2
15) 7
16) −9
17) 12
18) −12
19) −1
20) 2
21) −2
22) −10
23) −4

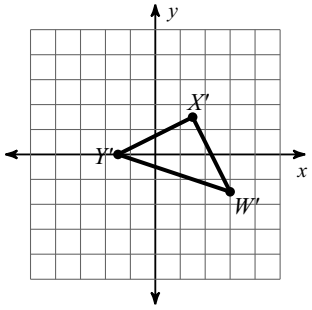
24)



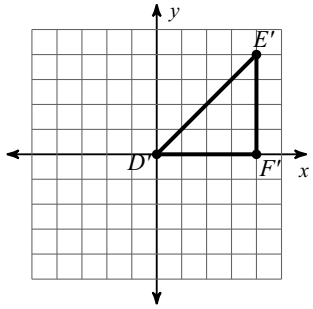
25)



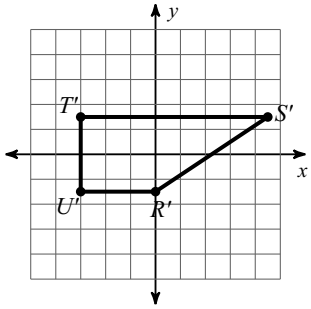
26)



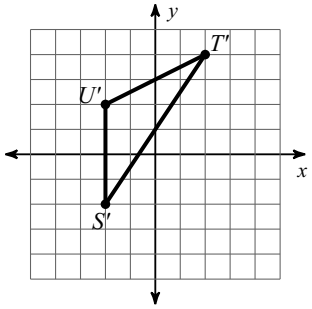
27)



28)



29)



30) dilation of 1.5 about the origin
31) dilation of 2.5 about the origin
32) dilation of 0.25 about the origin
33) dilation of 1.5 about the origin
34) dilation of $\frac{1}{2}$ about the origin
35) dilation of $\frac{1}{2}$ about the origin