

Name:

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128

# HOMEWORK 8.2

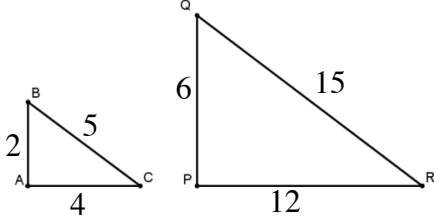
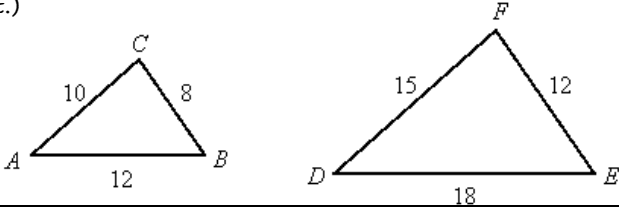
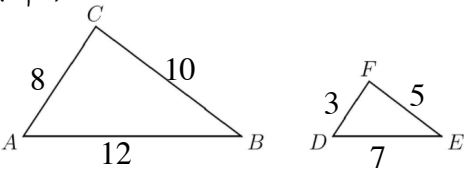
Secondary Math II

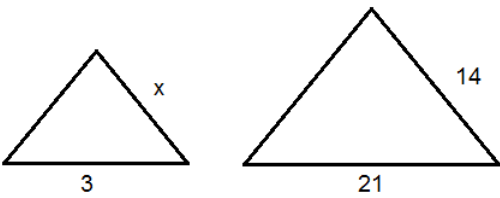
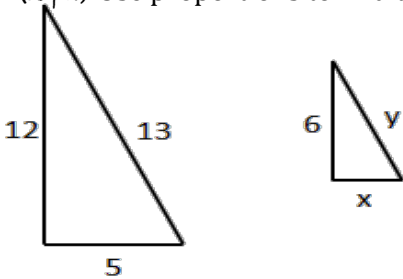
<b>Turned in</b> <b>On Time</b> (2 pts.) <input type="checkbox"/>	0A. (2 pt.) Factor $2x^2 - x - 3$ .
	0B. (2 pt.) Factor $2x^2 + 5x + 3$ .

## Review

1. (1 pt.) Simplify the expression. $3xy + 4x^2 - 5x - xy + 6x^2 - 2x$	2. (1 pt.) Simplify. $(3x - 2)(4x + 7)$	3. (1 pt.) List the transformations for the following function. $f(x) = -3(x - 2)^3$
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Determine whether the triangles are proportional.

<b>Classroom Exercise #4</b> (3 pts.) <input type="checkbox"/>	4A. (1 pt.) 
	4B. (1 pt.) 
	4C. (1 pt.) 

5. (1 pt.) Use proportions to find the missing value. 	6. (2 pt.) Use proportions to find the missing values. 
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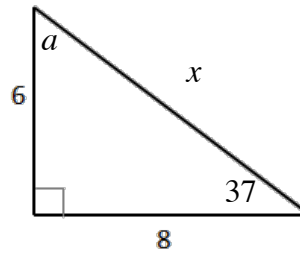
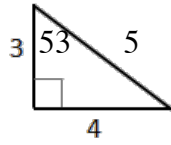
Determine if the triangles are similar. If yes, **explain how**.

**Classroom Exercise #7**

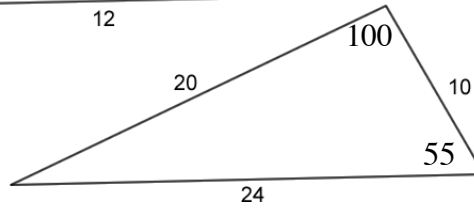
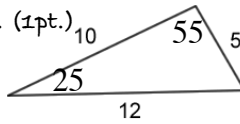
(3 pts.)



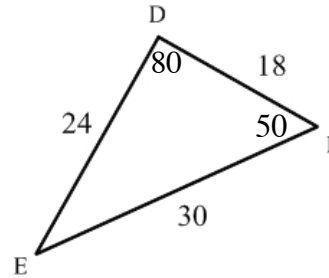
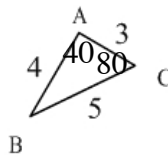
7A. (1pt.)



7B. (1pt.)

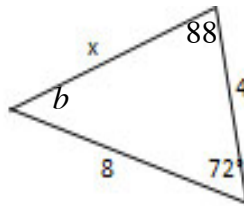
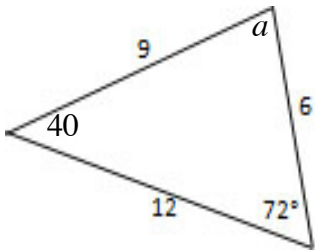


7C. (1pt.)

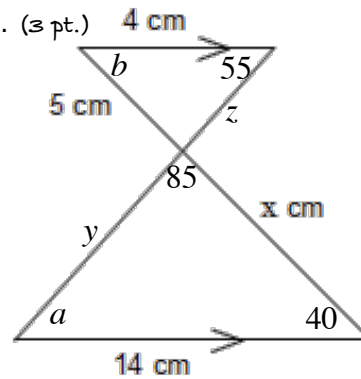


Determine whether the triangles are similar. Label any missing sides or angles. If yes, **explain how**.

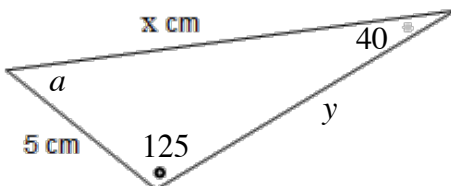
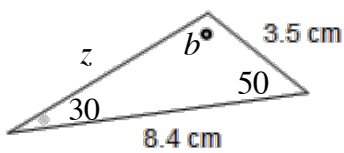
8. (3 pt.)



9. (3 pt.)



10. (3 pt.)



11. (3 pt.)

