

Name: _____

Geometry Quarter 3 Week #3
Distributed Practice
Due Monday, February 15th

One point will be awarded for the correct answer. Two points will be awarded for writing down the necessary work to solve the problem. You are not required to write an explanation for any of the problems, however, if you believe it is not possible to show any work, you may need to write a brief explanation depicting how you arrived at your answer. You must answer all questions.

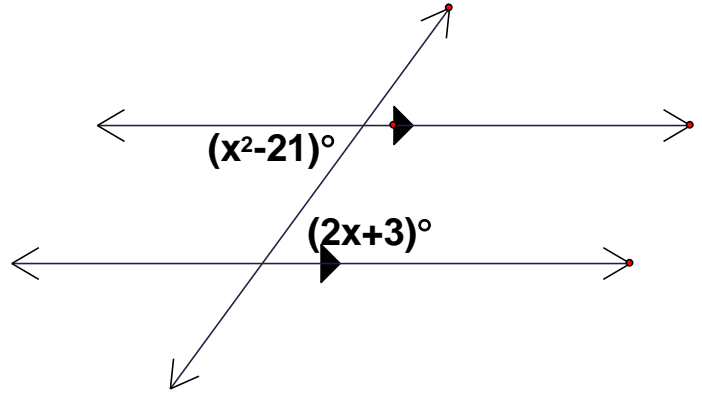
1. Determine the equation of the line that contains the points (10, 1) and (4, 7). Write it in point-slope or slope intercept form.

2. Solve the system of equations $y = 3x - 2$
 $y = -x - 6$

3. Determine the volume of a square pyramid that has a base edge of 8 and a slant height of 5.

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4. Solve for x in the following diagram.



5. Determine the volume of a cylinder that has a radius of 3cm and a height of 10cm.

6. A rhombus has diagonals of length 16 and 12. Determine the length of the sides of the rhombus.

7. Find the value of x in the diagram below.

