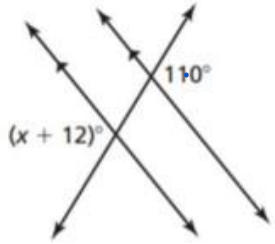
Chapter 3 Homework

Monday, October 18, 2021 10:06 PM

Chapter 3
Gem HW

5.



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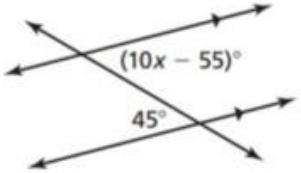

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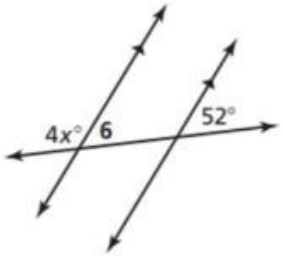

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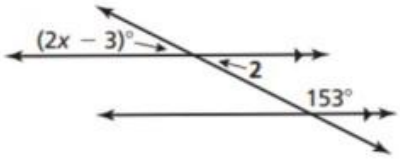
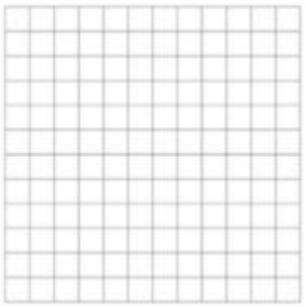


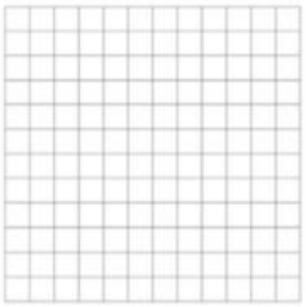
9.) On a piece of graph paper draw line segment BC from the coordinates B (-3,-4) and C (3,2).
Next draw Point C at (-3,0). Find the distance from Point C to Line segment BC.

10.) On graph paper draw line segment BC from the coordinates B(4,1) and C (1,4).
Next draw Point A at (-3,-4). Find the distance from Point A to line segment BC.

11.) Write an equation of the line passing through point $P(3, -2)$ that is parallel to $y = \frac{2}{3}x - 1$. Graph the equations of the lines to check that they are parallel.



12.) Write an equation of the line passing through point $P(-2, 2)$ that is perpendicular to $y = 2x + 3$. Graph the equations of the lines to check that they are perpendicular.



#13 Graph line segment BA where the ordered pairs are A(-5,3) and B(-1,-5). Find point C that partitions the line segment BA in a ratio of 1:3.