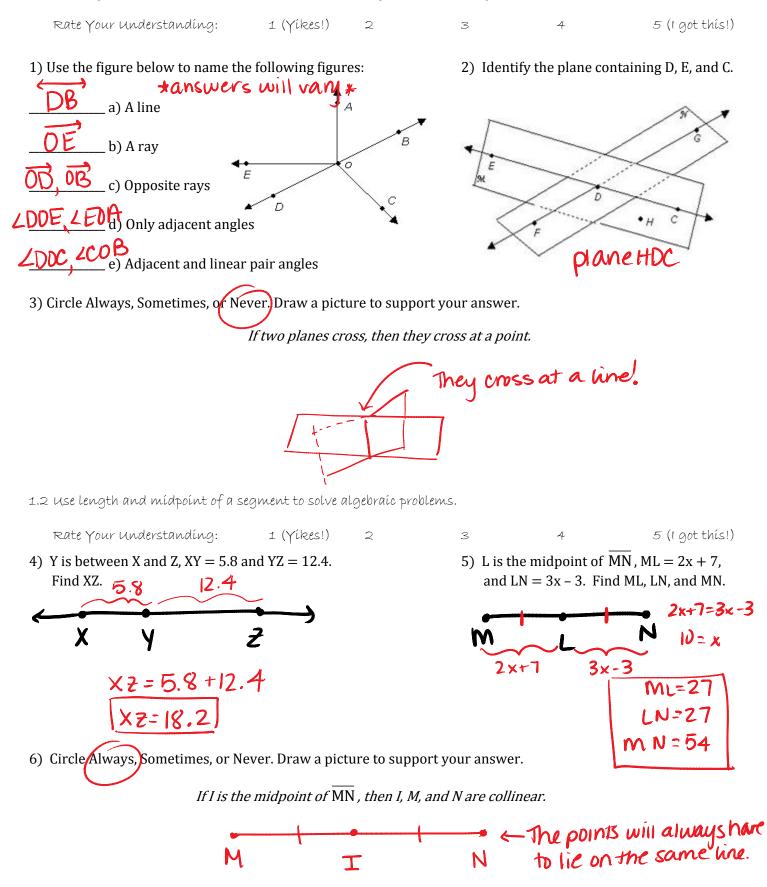
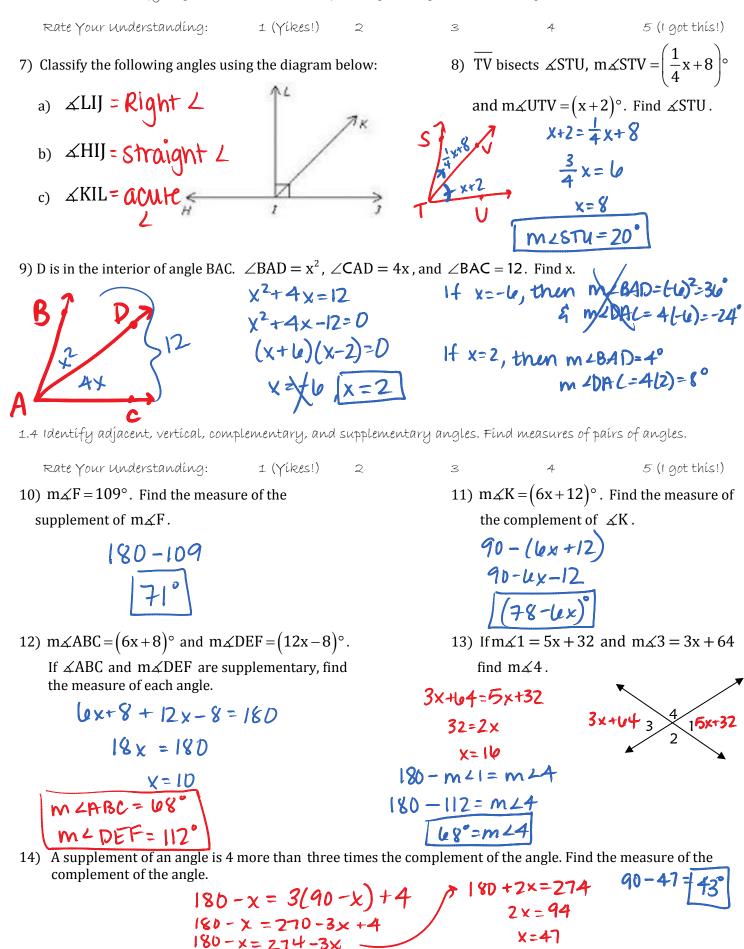
Geometry Chapter 1 Study Guide



1.1 Identify, name, and draw points, lines, segments, rays & planes. Apply basic facts about points, lines & planes.



1.3 Name and classify angles. Find the measure of the angle using interior and angle bisector.



- 1.6 Apply the midpoint and distance formulas. Rate Your Understanding: 1 (Yíkes!)
- 2

3

4 16) Find the distance of PQ with endpoints

15) M is the midpoint of PQ. P is at (1, -1) P(1, -1) and Q(7, -3). and M is at (7, -3). Find the coord. of Q. $PQ = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$ (1,-1) (7,-3) (x,y)+b,-2 +b,-2 $PQ = \sqrt{(1-7)^2 + (-1-3)^2}$ $PQ = \sqrt{(-6)^2 + (2)^2}$ $PQ = \sqrt{30+4}$ 210 $P_{0} = \sqrt{40}$ = 17) Identify the slope given the points 18) What is the slope of the graph? (-5, 6) and (-4, 0). $x_1 y_1 = x_2 y_2$ $M = \frac{6 - D}{-5 - 4} = \frac{6}{-9} = \frac{2}{-3}$ $m = \frac{2}{-2}$ 19) The slope of the line x = -2 is <u>undefined</u> 20) The slope of the line y = 4 is <u>20</u>. 1.7 Identify reflections, rotations, and translations. Graph transformations in the coordinate plane. Rate Your Understanding: 1 (Yíkes!) 2 4 5 (I got thís!) Identify the transformation as a reflection, rotation, or translation. Draw all necessary markings to justify. 21) 22) 23) Reflection Translation Rotation 24) A figure has vertices at A(-1,4), B(-1,1), and C(3, 1). 25) Construct an angle bisector. After a transformation, the image of the figure has **BF** bisects vertices at A'(-1,-4),B'(-1,-1),C'(3,-1). Draw the preimage and image. Then identify the transformation. D ABC. Reflection over the X-AXIS С

> Remember, completing the study guide is not enough practice! Make sure to look over your notes, homework, and in-class assignments to prepare for the Chapter test!!!