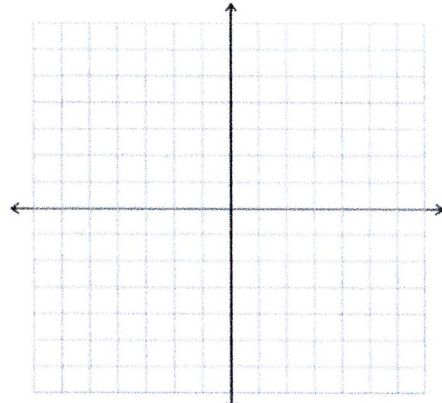
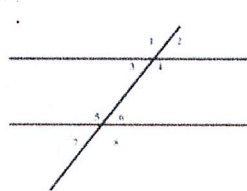
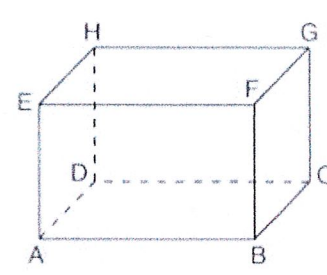


Name _____ date _____ due _____

Geometry take home assignment #3 (THA3) All work must be shown and must be valid.

Symbols must be accurate.

<p>1. graph the line. $y = mx + b$; $b = y$-intercept, $m = \text{slope} = \frac{\text{rise}}{\text{run}}$ $y = 3x - 5$ $m = \underline{\hspace{2cm}}$ $b = \underline{\hspace{2cm}}$</p> 	<p>2. solve: $(3x - 5)^\circ + (2x + 20)^\circ = 90^\circ$</p>
<p>3. A line has the equation $y = -4x + 3$ Name the slope of the line that would be A. parallel to this line _____ B. perpendicular to this line _____</p>	<p>4. A line has the equation $y = \frac{3}{5}x + 8$ Name the slope of the line that would be A. parallel to this line _____ B. perpendicular to this line _____</p>
<p>5. $m\angle 5 = (8x + 30)^\circ$ and $m\angle 4 = (10x + 12)^\circ$ $x = \underline{\hspace{2cm}}$ $m\angle 4 = \underline{\hspace{2cm}}$ $m\angle 3 = \underline{\hspace{2cm}}$</p> 	<p>6. name 3 segments skew to \overline{BC}</p> <p>_____</p> <p>_____</p> <p>_____</p> 

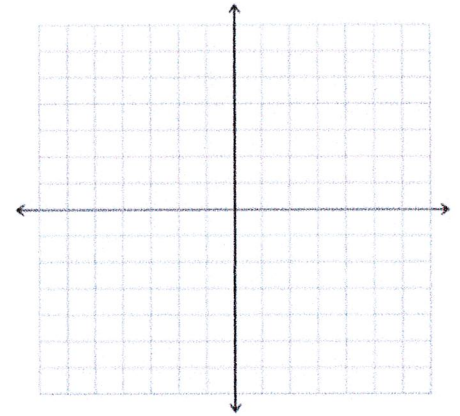
7. Name the three undefined terms in geometry

8. plot: A (-2, 4) B (4, 4) C (-2, -2) D (4, -2)

Name the shape _____

Perimeter _____

Area _____



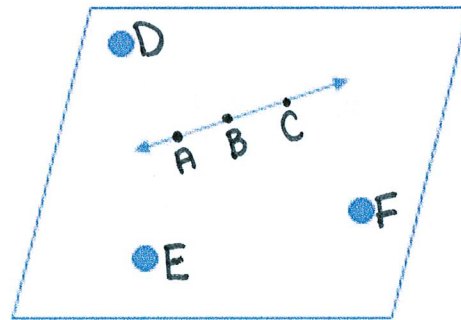
9. name a pair of opposite rays

_____ and _____

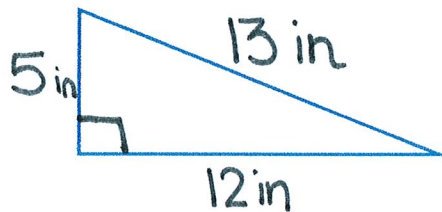


10. Name the line: _____

Name the plane: _____



11. find the area of the triangle: ($A = \frac{1}{2} bh$)



12. Find the area and the perimeter of the triangle:

area: _____ perimeter _____

