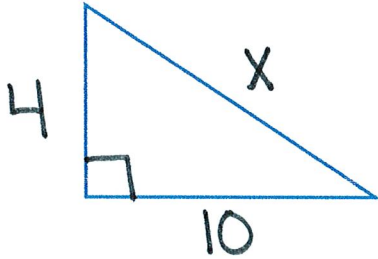
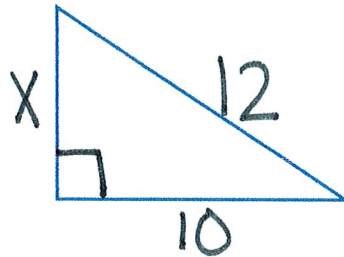


Name _____ date _____ due _____
 Geometry take home assignment #4 (THA4) All work must be shown and must be valid.
 Symbols must be accurate.

1. Solve using Pythagorean theorem:

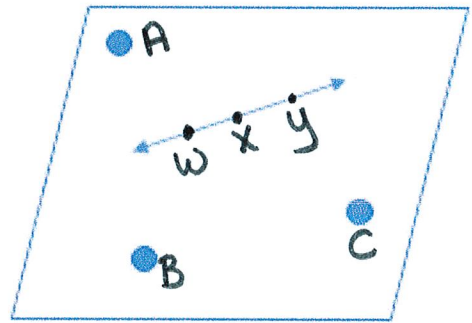


2. solve using Pythagorean theorem



3. Find the midpoint of:
 A (-3, 7) and B (-15, 27)

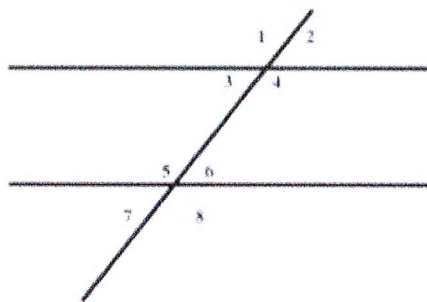
4. name the line: _____
 name the plane: _____

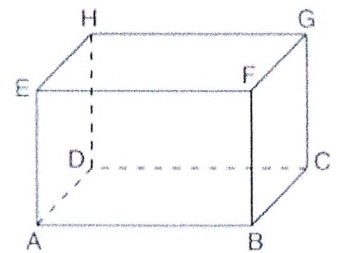


5. $m\angle 3 = (6x - 10)^\circ$ and $m\angle 5 = (4x + 30)^\circ$
 $x =$ _____ $m\angle 3 =$ _____ $m\angle 5 =$ _____

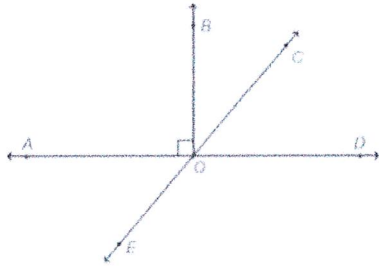
6. A. name the intersection of BCF and ADC

 B. name 3 segments parallel to \overline{CD}





7. name an angle supplementary to $\angle DOE$



8. name a pair of opposite rays

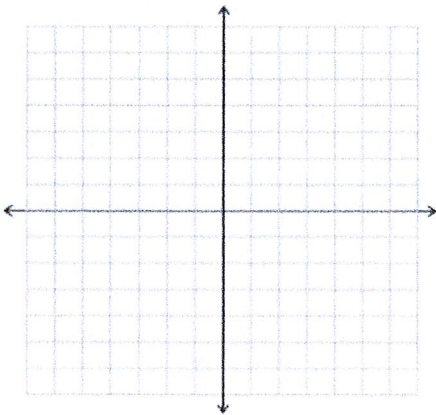
_____ and _____



9. Write the equation of a line that is parallel to $y = \frac{1}{2}x - 5$ that passes through $(-8, 14)$

10. Write the equation of a line that is perpendicular to $y = \frac{1}{2}x - 5$ that passes through $(-8, 14)$

11. plot A $(-4, -4)$ B $(5, -4)$ C $(5, 6)$



12. using your shape from #11, find the perimeter _____

area _____