

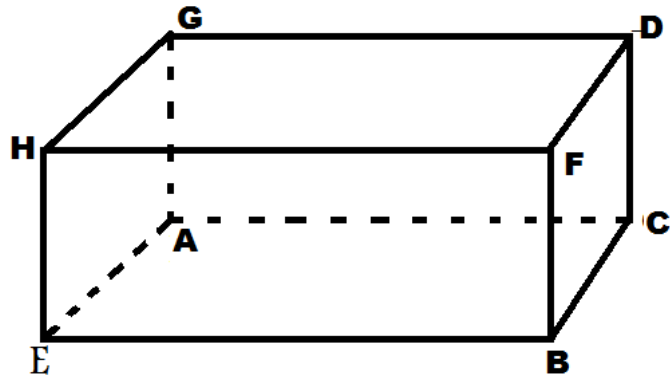
Geometry Chapter 3 Review For Exam

Main topics that you should understand.

- Parallel, Perpendicular, and Skew lines (on 3-D boxes)
- Special Angle Pairs and their relationships for parallel lines
 - Alternate Interior (=)
 - Alternate Exterior (=)
 - Consecutive Interior (= 180)
 - Corresponding (=)
- Slope
 - Formula
 - 🎵Parallel slopes stay the same, Perpendicular flip and change!🎵

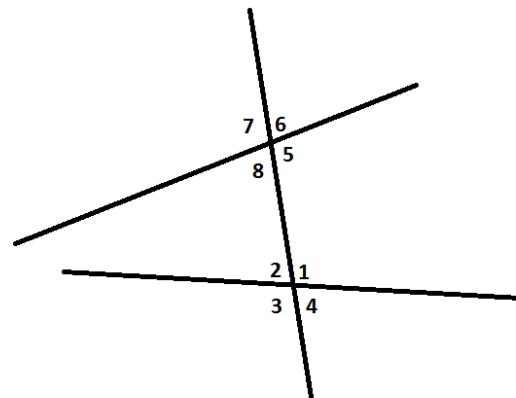
Use the figure below to answer questions 1 – 7

1. \overline{AG} and \overline{CD} are _____
2. \overline{EA} and \overline{CD} are _____
3. \overline{GA} and \overline{CA} are _____
4. \overline{EB} and \overline{DG} are _____
5. \overline{HE} and \overline{CA} are _____
6. Planes AGH and FBC are _____
7. Planes EBC and GDC are _____

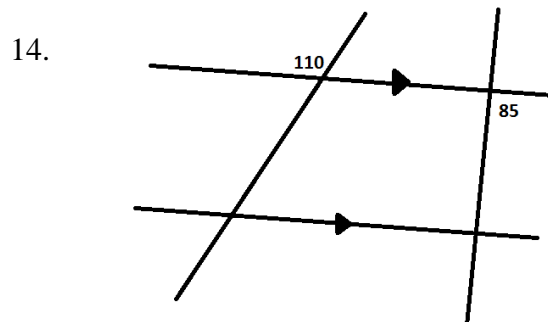
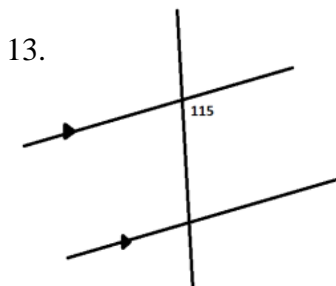


Determine the angle pairs for the angles below.

8. $\angle 8$ and $\angle 1$
9. $\angle 3$ and $\angle 7$
10. $\angle 4$ and $\angle 2$
11. $\angle 5$ and $\angle 1$
12. $\angle 6$ and $\angle 1$

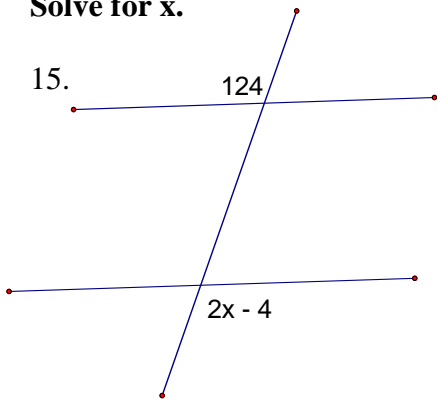


Fill in the blank angles for each figure.

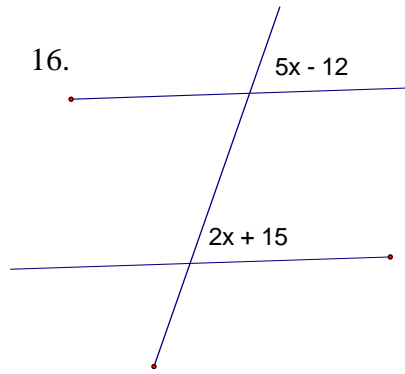


Solve for x.

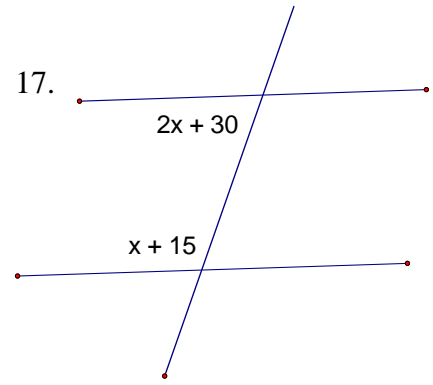
15.



16.



17.



Find the parallel and perpendicular slope for each line.

18. A(-2, 3) B(5, -6)

19. A(5, -4) B(-2, -4)

Write a linear equation with the given slope and passes through the given point.

20. (-2, 4) $m = \frac{1}{2}$

21. (1, -4) parallel to $m = -3$

22. (-4, 6) perpendicular to $m = -2$