

CHAPTER 1 REVIEW

NAME _____ PERIOD _____



Draw the following.

1. Plane A	2. Line AB	3. point C	4. Obtuse Angle ABC	5. Ray BC

6. What is the distance formula?

Find the distance between the following points:

7. $(7, -8)$ and $(12, 4)$

8. $(5, 11)$ and $(0, -5)$

9. $(8, 1)$ and $(9, -4)$

10. $(2, 3)$ and $(6, 8)$

11. What is the midpoint formula?

Find the midpoint between the following points:

12. $(7, -8)$ and $(12, 4)$

13. $(5, 11)$ and $(0, -5)$

14. $(8, 1)$ and $(9, -4)$

15. $(2, 3)$ and $(6, 8)$

16. What is the slope formula?

Find the slope of the following lines:

17. (7, -8) and (12, 4)

18. (5, 11) and (0, -5)

19. (8, 1) and (9, -4)

20. (2, 3) and (6, 8)

21. Write the equation of the line **parallel** to $y = 3x - 8$, with y -intercept 6.

22. Write the equation of the line **perpendicular** to $y = 3/4x + 2$, through point $P(6, 12)$

23. Are the following lines parallel perpendicular or neither?

$$y = 2/3x + 4$$
$$3x + 2y = 6 \quad (\text{show work!})$$

24. Name the ordered pair for each point.

