Study Guide #1

Lessons Covered: #1 Simplifying Radicals, #2 Simplifying Radicals with Fractions, #3 Midpoint, Endpoint #4 Distance Note Pages #1 – 8 & Assignments #1 – 4

Name: _____ Date: _____ Period: _____

Simplify the Radicals

1. $\sqrt{121}$

2. $\sqrt{25}$

3. $\sqrt{200}$

4. $\sqrt{27}$

5. $\sqrt{52}$

6. $6\sqrt{50}$

7. $\sqrt{192}$

8. $\sqrt{252}$

9. $5\sqrt{20}$

10. $3\sqrt{72}$

11. $\sqrt{\frac{12}{3}}$

12. $\sqrt{\frac{7}{2}}$

13. $\frac{5}{\sqrt{36}}$

14. $\frac{3}{\sqrt{12}}$

15. $\sqrt{\frac{8}{5}}$

Find the midpoint of the following line segments

16.

17.

18.

19.

Calculate the midpoint

20. (8,-1) (4,-5)

21. (0,5) (6,11)

22. (-5,10) (-11,14)

Calculate the other endpoint:

23. E: (7,2) M: (5,6)

24. E: (-1,3) M: (-4,5)

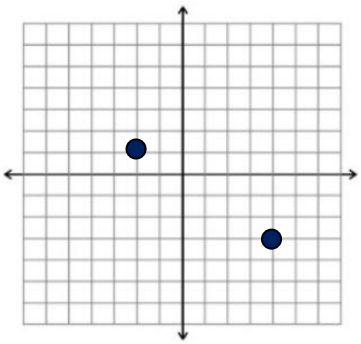
25. E: (2,-5) M:(5,-7)

Calculate the distance between the points

26. (5,8) (-3,1)

27. (0,-4) (-9,4)

28.



29.