

Chapter 9 Review

Homework Answers

Pg 508 - #1-16, 18-24, 26-29

1. $\frac{\sqrt{57}}{11}, \frac{8}{11}, \frac{\sqrt{57}}{8}$

2. $\frac{\sqrt{33}}{7}, \frac{4}{7}, \frac{\sqrt{33}}{4}$

3. 48.0

4. 28.3

5. 8.9

6. 84.9

7. 36.9

8. 5.8

9. 41

10. 18.7

11. 9.5

12. 28

13. about 116 *ft*

14. about 710 *m*

15. about 31 *ft*

16. about 123.7 *mi*; about 14° S of E

18. $\langle 95, -44 \rangle$

19. $\langle -133, -346 \rangle$

20. about 174.9 *mph* at about 59° N of E

21. about 52.2 *mi* at about 73° E of S

22. $\langle 1, 8 \rangle$

23. $\langle 4, 1 \rangle$

24. 8.1 *mph* at 39° N of W

26. 22.1 *in*²

27. 279.1 *mm*²

28. 86.6 *ft*²

29. 21.4 *cm*²