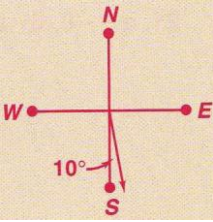
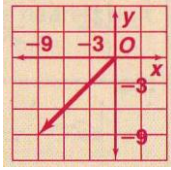
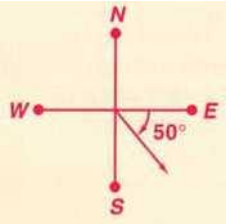
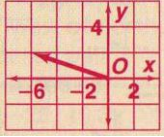
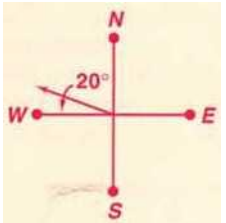
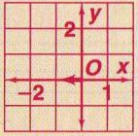
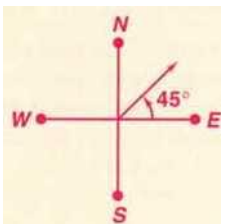
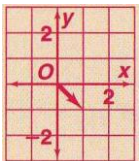
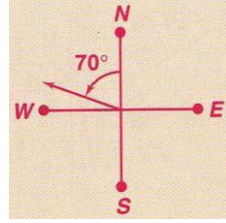
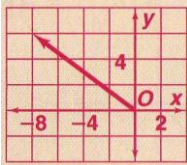
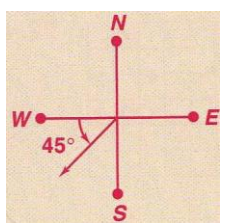
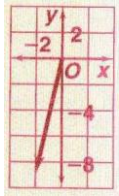


Lesson 9.4

Homework Answers

Pg 493 - #1-28, 37-39, 47-48

1. $\langle 602.2, 668.8 \rangle$	12. 	23. $\langle -1, 3 \rangle$
2. $\langle -307.3, -54.2 \rangle$	13. about 97 <i>mi</i> at 41° south of west	24. $\langle 4, -6 \rangle$
3. $\langle 37.5, -65.0 \rangle$	14. about 707 <i>mi</i> ; 65° south of west	25. $\langle -2, 3 \rangle$
4. 15° south of west	15. about 54 <i>mph</i> ; 22° north of east	26. 35.9 <i>mph</i> ; 12.9° south of west
5. 20° west of south	16. 4805 <i>km</i> ; 12° north of west	27. about 12.9° north of west
6. 40° east of south	17. a) $\langle -9, -9 \rangle$ b) 	28. 304 <i>mph</i> ; 9° east of south
7. 	18. a) $\langle -6, 2 \rangle$ b) 	37. $\begin{bmatrix} -1 \\ -2 \end{bmatrix}$
8. 	19. a) $\langle -1, 0 \rangle$ b) 	38. $\begin{bmatrix} 11 \\ -5 \end{bmatrix}$
9. 	20. a) $\langle 1, -1 \rangle$ b) 	39. $\begin{bmatrix} -1 \\ 0 \end{bmatrix}$
10. 	21. a) $\langle -8, 6 \rangle$ b) 	47. a) 15° south of west b) about 6.7 h
11. 	22. a) $\langle -2, -9 \rangle$ b) 	48. a) about 24.1 <i>mi</i> ; about 14.1 <i>mi</i> b) about 28 <i>mi</i> at about 30° east of north