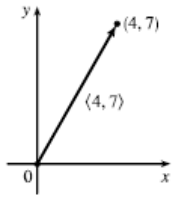
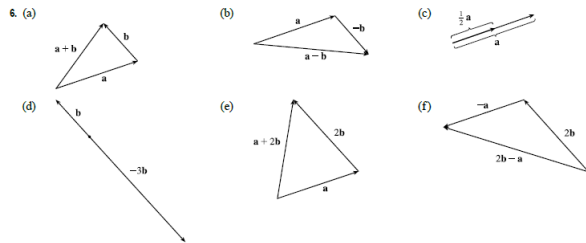


Partial solutions for 2 6 9 11 13 15 17 20 22 26 29

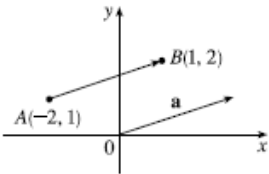
2. .



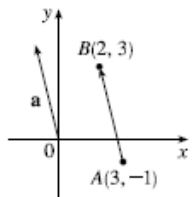
6. .



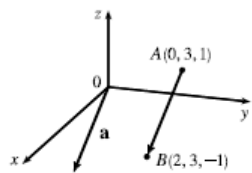
9. .



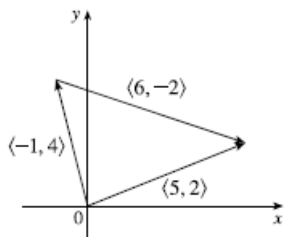
11. .



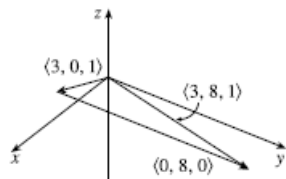
13. .



15. .



17. .



20. $\mathbf{a} + \mathbf{b} = 4\mathbf{i} + \mathbf{j}$, $4\mathbf{a} + 2\mathbf{b} = 6\mathbf{i} + 14\mathbf{j} = \langle 6, 14 \rangle$, $|\mathbf{a}| = \sqrt{34}$, $|\mathbf{a} - \mathbf{b}| = 13$

22. $\mathbf{a} + \mathbf{b} = \langle 13, -1, -3 \rangle$, $4\mathbf{a} + 2\mathbf{b} = \langle 42, 0, -14 \rangle$, $|\mathbf{a}| = 9$, $|\mathbf{a} - \mathbf{b}| = \sqrt{43}$

26. $\mathbf{u} = \langle \frac{6}{7}, \frac{2}{7}, \frac{-3}{7} \rangle$. Length 4: $\mathbf{v} = \langle \frac{24}{7}, \frac{8}{7}, \frac{-12}{7} \rangle$

29. $\mathbf{v} = \langle 2, 2\sqrt{3} \rangle$