

35 (a) **Graphical:** $2\mathbf{a} = 4\mathbf{i}$. See Figure 35a.

Symbolic: $2\mathbf{a} = 2(2\mathbf{i}) = 4\mathbf{i}$

(b) **Graphical:** $2\mathbf{a} + 3\mathbf{b} = 7\mathbf{i} + 3\mathbf{j}$. See Figure 35b.

Symbolic: $2\mathbf{a} + 3\mathbf{b} = 2(2\mathbf{i}) + 3(\mathbf{i} + \mathbf{j}) = 4\mathbf{i} + 3\mathbf{i} + 3\mathbf{j} = 7\mathbf{i} + 3\mathbf{j}$

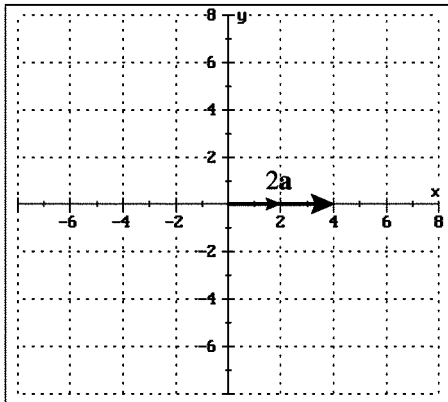


Figure 35a

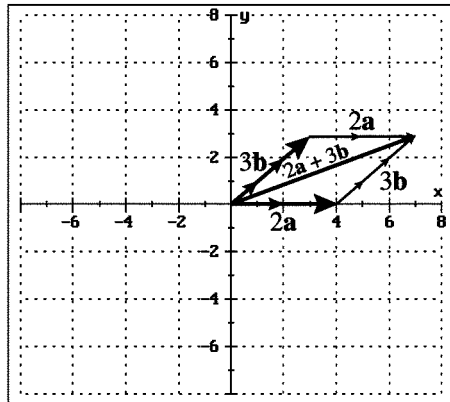


Figure 35b