

4-1)

A ball is thrown straight up. Draw a free body diagram for the ball after it has left the hand and is

- a) rising.
- b) at the highest point in its trajectory.
- c) falling.

Now, consider if the ball had been launched at an angle of 60° above the horizontal. Draw a free body diagram for the ball after it has left the hand and is

- d) rising.
- e) at the highest point in its trajectory.
- f) falling.