**67.** 4.9 m/s

**78. A) dropped ball B)25.3 m/s and 16.5m/s**

**79. 24.8 m/s 0.702 s**

**81. 2.8s -30m/s**

**83. 58m 34m/s 8.1s**

**89. 5.9 km**

**90. 3.8 m/s^2 15m/s**

**91. 6.8ft/s 1.2s**

**93. 2 4 0.41s, 0.82s, 0.2m, 0.82m**

**94. 1.87 m/s 1.01m/s**

**97. 9.81m/s^2 13.9m 2.21s 16.5m/s**

**101. ½ gt^2 gt 13.4m 16.2m/s**