(a) $h' = 15h$

(b) $t = 8.2\ s$, $t = 8.6\ s$, $t = 9.2\ s$

(c) $t = 8.0\ s$, $t = 8.3\ s$, $t = 8.8\ s$

(d) $t = 9.0\ s$, $t = 9.2\ s$, $t = 10.5\ s$

(e) $t = 5.4\ s$, $t = 7.1\ s$, $t = 9.6\ s$

(f) $t = 8.2\ s$, $t = 8.6\ s$, $t = 9.2\ s$

(g) $t = 8.0\ s$, $t = 8.3\ s$, $t = 8.8\ s$

(h) $t = 9.0\ s$, $t = 9.2\ s$, $t = 10.5\ s$