

**INTENSIVE MATHEMATICS (PBM1035)**  
**Session December 2017**  
**SELF-EXERCISE 8**

---

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working. You may use a non-programmable scientific calculator.

In each case, make the letter given at the end, the subject of the formula.

1.  $m = 30 + 2p, p$
2.  $a = 3c - 4, c$
3.  $P = 2a + 2b, b$
4.  $f = 3c - 4, c$
5.  $u = 7t + 30, t$
6.  $x = 3y + 2, y$
7.  $v = u + 5t, t$
8.  $y = \frac{1}{2}x + 1, x$
9.  $s = \frac{a}{4} + 8u, a$
10.  $D = ut + kt^2, u$
11.  $v^2 = u^2 + 2as, s$
12.  $2(t - 5) = y, t$
13.  $m = 5n - 21$
14.  $P = 2q + 10, q$
15.  $d = \sqrt{\frac{3h}{2}}$