

SOLUTIONS: PROBLEM SET 34 FROM SECTION 13.4

2.

- (a) $(\pm 3, \pm 1)$ are the only solutions.
- (b) $(\pm 6, \pm 1)$ and $(\pm 2, \pm 3)$ are the only solutions.
- (c) $(\pm 4, \pm 2)$ and $(\pm 5, 0)$ are the only solutions.

4.

- (a) $(70, 13)$
- (b) $(9801, 1820)$

6.

- (a) $d = 2$, yes.
- (b) $d = 3$, no.
- (c) $d = 6$, no.
- (d) $d = 13$, yes
- (e) $d = 17$, yes
- (f) $d = 31$, no.
- (g) $d = 42$, no.
- (h) $d = 50$, yes.