

Solutions to True/False HW Questions, Week 2

1.4. 23

- (a) False: It's called a "matrix equation"
- (b) True
- (c) True (though it could be consistent even if not, for example if $\mathbf{b} = \mathbf{0}$)
- (d) True
- (e) True
- (f) True

1.5. 23

- (a) True ($\mathbf{0}$ is always a solution to a *homogeneous* matrix equation)
- (b) False
- (c) False
- (d) False (\mathbf{p} , \mathbf{u} are switched)
- (e) False