

## Math 4362 Homework #9

1. 3.2.2 a
2. 3.2.3
3. 3.2.45
4. 4.1.7 (a) Note: A bar being full insulated at the ends  $x = a$  and  $x = b$  means that  $\frac{\partial u}{\partial x}(t, a) = 0$  and  $\frac{\partial u}{\partial x}(t, b) = 0$  for all  $t > 0$ .
5. 4.1.8 (a)
6. 4.1.1

### Recommended Problems [Do not turn in]

1. 3.2.1 b,d
2. 3.2.14 a
3. 4.1.4