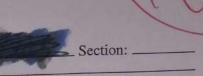


## **Mathematics Department**

## Math 1431



Number:



## Quiz:

1. Solve the following inequality:

either 
$$3-4x>2$$
  
 $-3$   
 $-4(-4x7-1)$   
 $x < \frac{1}{4}$ 

- SSIR [4/3]
- 2. Find the equation of the line passes through (1,4) and perpendicular to the line 2y - 5x + 7 = 0

$$2y - 5x \pm 7$$
  
 $2y - 5x - 7$   
 $y - \frac{5x}{2} - \frac{7}{2}$ 

$$M_i = \frac{5}{2}$$

$$m_1 \times m_2 = -1$$
 $\frac{5}{2} \times m_2 = -1$ 
 $\frac{-2}{5} = m_2$ 

$$(y-y_0) = m(x-x_0)$$
  
 $(y-y_0) = m(x-x_0)$   
 $(y-y_0) = m(x-x_0)$