

# Quiz 0

Key

Show *all* your work. Reasonable supporting work must be shown for any partial credit.  
Name(s)

1. [4] Write down something that you are good at.

2. [4] Explain how you got good at it!

3. [2] Let  $a$  and  $b$  be real, non-zero numbers. Add  $\frac{1}{a} + \frac{1}{b}$ .

$$\frac{1}{a} + \frac{1}{b}$$

$$\frac{1}{a} \cdot \frac{b}{b} + \frac{1}{b} \cdot \frac{a}{a}$$

$$\frac{b}{ab} + \frac{a}{ba}$$

$$\frac{b+a}{ab}$$

Common denominator (+1)  
start (+1.5)  
find one +1.5  
used +1.5  
partial add numerator +1.5