

Math 325  
Quiz 5-B

Name           KEY          

1. Perform each of the following calculations:

(a)  $3624 + 9587$

$$\begin{array}{r} 3624 \\ + 9587 \\ \hline 13211 \end{array}$$

(b)  $4345 - 2877$

$$\begin{array}{r} 4345 \\ - 2877 \\ \hline 1468 \end{array}$$

(c)  $324_{\text{five}} + 433_{\text{five}}$

$$\begin{array}{r} 324_{\text{five}} \\ + 433_{\text{five}} \\ \hline 1312_{\text{five}} \end{array}$$

(d)  $142_{\text{six}} - 34_{\text{six}}$

$$\begin{array}{r} 142_{\text{six}} \\ - 34_{\text{six}} \\ \hline 104_{\text{six}} \end{array}$$

(e)  $726 \cdot 38$

$$\begin{array}{r} 726 \\ \times 38 \\ \hline 5808 \\ 21780 \\ \hline 27588 \end{array}$$

(f) d)  $432 \div 6$

$$\begin{array}{r} \boxed{72} \\ 6 \overline{)432} \\ \underline{42} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

2. Demonstrate the process of adding  $13_{\text{four}}$  and  $32_{\text{four}}$  using blocks.

