Name		
Pariod	Data	

No Calculator

Original Problem 3)673 Divide: How many times 2	
Divide: How many times 2	
does 3 go into 6? 2 3)673	
Multiply: 2 times 3, write it below the 6. 3)673	
Subtract: subtract 6 from 6, write it below. $\frac{2}{3)673}$ $\frac{-6}{0}$	
Bring Down: bring down the next number (7). 2 3)673 -6.1 07 -7	
Divide: How many times 22 does 3 go into 7? 3)673 -6 07	
Multiply: 2 times 3, write it below the 7. 22 3)673 - 6 07 6	
Subtract: subtract 6 from 7, write it below. 22 3)673 -6 07 -6 1 1	
Bring Down: bring down the next number (3). $ \begin{array}{c} 22 \\ 3\overline{)673} \\ -\underline{6} \\ 07 \\ -\underline{6} \end{array} $	
Divide: How many times does 3 go into 13?	
Multiply: 4 times 3, write it below the 13. $ \begin{array}{c c} \sqrt{224} + \frac{1}{3} \\ 3)673 \\ -\underline{6} \end{array} $	
from 13, write it below.	
Bring Down: Nothing to bring down. The "left-over" number at the bottom is a remainder.	1
Final Answer $673 \div 3 = 224 + 600$	3

Divide:

Factor Completely:

5.
$$x^2 + x$$

6.
$$9 - 4x^2$$

7.
$$3x^3 - 27x$$

8.
$$25x^2 - 36$$

9.
$$x^2 - y^2$$

10.
$$2x^3 - 4x^2$$