6 Classwork 6 MAT 1275 Professor Chiu

Name: _

Completely factor:

- 1. $y^2 17y + 42$
- 2. $3x^2 + 7x 6$

3. $9x^2 - 81$ and check your answer by distributing.



in (1) we found the combination (2) is what we would:

$$y^{2} - i\eta y + 42 \qquad \text{Thus} y^{2} - i\eta y + 42 \qquad \text{Thus} y$$

3. ac method
$$9x^2 - 81 = 9(x^2 - 9) = 9(x^2 + 0x - 9)$$

Now we focus on $x^2 + 0x - 9$ first ^{add} a'garo'' x.
(Shall $x^2 = x \cdot x$)
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