

Math 1010      January 12, 2018 homework 3  
Do 1.4 # 1-73 alternate odds, as in 1, 5, 9, 13, ...

Factor the following as much as possible.

1.  $3x^2 - 6x$

2.  $x^2 - x - 6$

3.  $x^2 + 7x + 10$

4.  $x^2 - x - 30$

5.  $4x^2 - 25$

6.  $144x^2 + 24x + 1$

7.  $25x^2 - 49$

8.  $4x^2 + 12x + 9$

9.  $3x^2 + 6x - 45$

10.  $x^2 + 6x + 9$

11.  $6x^2 + 7x + 1$

12.  $2x^2 + x - 15$

13.  $15x^2 - 17x - 4$

14.  $x^3 + 8$

15.  $27x^3 - 125$