

## Factoring Friday #1

1. Give the prime factorization for 90
2. Simplify  $\sqrt{45}$
3. Factor:
  - $12x^3 - 16x$
  - $4x^2 - 25$
  - $x^2 + 8x + 15$
  - $x^2 - 13x + 40$
  - $x^2 + 9x - 36$
  - $2x^2 + 9x + 10$
4. Completely factor:  $3x^2y - 3xy - 36y$