

Name: \_\_\_\_\_

Period: \_\_\_\_\_

### INT Math 3 Algebra Prerequisites Day 3

1. Factor by any method:  $u^2 - 9u + 18$
2. Factor by any method:  $6m^2 - 66m + 168$
3. Factor:  $a^2 - 49$
4. Factor the polynomial:  $4v^2 + 4v - 120$
5. Factor the polynomial:  $a^2 - 12a + 35$
6. Simplify the radical:  $\sqrt{125}$
7. Simplify the radical:  $\sqrt[3]{-243}$
8. Solve for x:  $8x^2 + 32x - 360 = 0$
9. For problem #8, list all of the factors of the polynomial.
10. For problem #8, list all of the zeros of the polynomial.