

## Math 156: Test 3 Formula Sheet

$$a_n = a_m + (n - m)d$$

$$S_k = \frac{k}{2}(a_m + a_n)$$

$$S_k = \frac{k}{2}[2a_m + (n - m)d]$$

$$a_n = a_m r^{n-m}$$

$$S_k = \frac{a_m(1 - r^k)}{1 - r}$$

$$S_\infty = \frac{a_m}{1 - r}$$