Exercise 3.1-8:

$$\Omega(n,m) = \{ f(n,m) : \exists c, n_0, m_0 > 0, s.t. \ \forall n \ge n_0 \ or \ m \ge m_0,$$

$$f(n,m) \geq cg(n,m)\}$$

$$\Theta(n,m) = \{ f(n,m) : \exists c_1, c_2, n_0, m_0 > 0, s.t. \ \forall n \ge n_0 \ or \ m \ge m_0,$$

$$c_1g(n,m) \le f(n,m) \le c_2g(n,m)\}$$