

2. **[2 parts, 2.5 points each]** A zoo has 4 exhibits in the jungle zone, 6 exhibits in the desert zone, and 5 exhibits in the aquatic zone.
- (a) Standard admission to the zoo includes a complementary photo of the visitor in an exhibit of the visitor's choice. How many ways can a visitor take the photo?
- (b) Deluxe admission includes an additional photo. The two photos must be taken at exhibits in different zones. How many ways can a visitor with a deluxe admission choose the exhibits for the two photos?