V7 - Find Resultant Vectors (More difficult problems)

Assume all angles are given in standard position.

1. George throws a headless doll 100 feet at an angle of 45°. Upon landing, George throws the doll again at 225° for 50 feet. What is the resulting vector in polar coordinates?

2. George throws a dolless head 25 feet at an angle of 140°. After running and picking it up, he throws the head again 30 feet at an angle of 200°. What is the resulting vector in polar coordinates?