

(1) a) 47.5° , 68.5° , 64°

b) 31° , 81° , 68°

(2) (36.94 m / 47.28 m), (78.80 m / 61.57 m), (86.93 m / 23.29 m)

(3) (25.81 m / 57.97 m), (75.32 m / 67.82 m)