

Physics 11 – Chapter 4 Answers p. 79

11) 10 mm long

12) 15 km

13) Largest 7 m, smallest 1 m

14) resultant increases

15) a. A is longer
b. B is longer
c. A and B are equal

16) North component is longer (y)

17) right angle triangle

18) omit. stupid question.

19) 20.0 km [E]

21) a. 250 km/h
b. 150 km/h

25) 42 m

26) 510 km 79° [S of W]

27) a. 6.5 m/s
b. 32°

28) 160 km/h 18° [W of S]

29) 5.0 km 53° [S of E]

30) a. 5.0 m/s 53° with the shore
b. 3.0 m/s, 4.0 m/s

31) 16 m/s 23° from vertical