

Textbook - Vectors Review - AnswersPage 129 #10-14, 25, 26, 29, 30 and Page 692 #8, 9, 12Page 129, 130

10.) Vector subtraction problem. Subtract the opposite of the storm from the Heading due south.

510 m. Head 78.7° S of W

11.) 5 km northwest of the camp. Should head 53° S of E to get back.

12.) 24.2 N at 72° N of W

13a.) $10 \frac{m}{s}$ at 53° from bank b.) 30 s c.) 180 m

14a.) 34° N or out from the shore. b.) 90 s or 1.5 min c.) 540 m d.) same time.

25.) 78 km away at 43° E of N.

26a.) 110 N b.) 107 N at 19° E of N c.) 96 N at 39° E of N d.) 81 N at 60° E of N

e.) 30 N south or in direction of 70 N force.

29.) 74 N at 253°

30.) 43 N at 43° S of W

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8.) $112 \frac{m}{s}$ at 27° W of N

9.) 820 N at 52° S of W

12.) 200 N