Devoit #4 Jimmy H. Fottin · Question # 1 W AB = [3-4 -2-3 5-7] = [-1 -5 2] CB = [3-1 -2-3 5-2] = [2 -5 7] DA = [4-(-2) 3-1 7-17 = [6 2 6] De = [1-(-2) 3-1 -2-1] = [3 2 -3] b) 2AB + 3DZ - CB = 2-[-1-52]+3.[32-3]-[2-57] = [-2-104]+[96-9]-[2-57] = [-2+9-2 -10+6-C-5] 4+(-9)-7] = E 5 1 -12] c) De = V32+22+32 = V9 + 4 + 9 = 522 110211 = 4,69 d) d = we cos (3) = 50,24° B = arc cos (2) = 64,760 y = cre ws (-3) = 129,760 e) DA·CB=(6-2)+(6x(5)+(6.7) $= \frac{12}{24} + \frac{30}{30} + \frac{42}{42}$ FI DÀ-CB = 11DÀ11-11CB COSB $||D\widehat{A}|| = \sqrt{6^2 + 2^2 + 6^2} \qquad ||\widehat{CB}|| = \sqrt{2^2 + -5^2 + 7^2}$ $= 8,72 \qquad = 8,83 \qquad = 8,8$ = 8,83

