Math. 102 (10) Quiz 4 Name: Signature: Dept.:

Q) Let f be a fcn. of two variables that has continuous partial derivatives and consider the pts. A(1,3), B(3,3), partial derivatives and consider the pts. A(1,3), B(3,3), and D(6,15). The directional derivative of C(1,7), and D(6,15). The directional derivative of the vector AB is 3 and f at A in the direction of the direction of the directional derivative of f AC is 26. Find the directional derivative of f at A in the direction of the vector AD.