Answer:
$$\sqrt{1+1+1}$$

Answer:
$$1 \times -1 + 0 \times 2 + 3 \times 4$$

$$\begin{bmatrix} 1 & 2 & 3 & 4 \\ 0 & 2 & 2 & 0 \\ 1 & 0 & 3 & 0 \\ 0 & 1 & 0 & 4 \end{bmatrix}$$

Answer: A

6. (1 point)

7. (1 point)

8. (1 point)

9. (1 point)

Answer: Reducing the given matrix to echelon form we get
$$\begin{bmatrix} 1 & 0 & 9 & 2 \\ 0 & 1 & -3 & 1 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$

10. (1 point)

Answer: A

11. (1 point)

Answer: Use directional derivative