

$$\begin{aligned} \mathbf{F}(x,y) &= \\ \left\langle \frac{x}{x^2+y^2}, \frac{y}{x^2+y^2} \right\rangle &\quad \left\langle \frac{x}{\sqrt{x^2+y^2}}, \frac{y}{\sqrt{x^2+y^2}} \right\rangle & \mathbf{F}(x,y) = \langle -x, -y \rangle \end{aligned}$$

1

2

3

$$\begin{aligned} \mathbf{F}(x,y) &= \\ \left\langle \frac{-x}{\sqrt{x^2+y^2}}, \frac{-y}{\sqrt{x^2+y^2}} \right\rangle &\quad \mathbf{F}(x,y) = \langle x-y, x+y \rangle & \mathbf{F}(x,y) = \langle 1, 2 \rangle \end{aligned}$$

4

5

6

$$\mathbf{F}(x,y) = \langle x, 2 \rangle \quad \mathbf{F}(x,y) = \langle y, x \rangle \quad \mathbf{F}(x,y) = \langle y, -x \rangle$$

7

8

9

$$\mathbf{F}(x,y) = \left\langle -y, x \right\rangle \quad \mathbf{F}(x,y,z) = \left\langle x, y, z \right\rangle \quad \mathbf{F}(x,y,z) = \left\langle -x, -y, -z \right\rangle$$

10

11

12

