

$$\begin{aligned}
 c) \quad F(2\sqrt{2}) &= \frac{2\sqrt{2} - 3\sqrt{2}}{2\sqrt{2} - 3} \\
 &= \frac{-\sqrt{2}}{2\sqrt{2} - 3} \cdot \frac{2\sqrt{2} + 3}{2\sqrt{2} + 3} \\
 &= \frac{-4 - 3\sqrt{2}}{8 - 9} \\
 &= \frac{-4 - 3\sqrt{2}}{-1} \quad \text{rational number}
 \end{aligned}$$

$$\begin{aligned}
 &= \frac{4 + 3\sqrt{2}}{1} \\
 E &= -1 \\
 |F| &= \frac{4 + 3\sqrt{2}}{1} \rightarrow \text{rational number}
 \end{aligned}$$

1:28

2:27

5th exercise:

