Dilations: Question 17

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The first step would be to compare the sides of both figures by dividing the side length of the image by the pre image side length.

$$E(-6,3), E'(-9,-6), F(-2,3), F'(-4,-6) \tag{1}$$

$$E'F' = \sqrt{(-4+9)^2 + (-6+6)^2} = 5 \tag{2}$$

$$EF = \sqrt{(-2+6)^2 + (3-3)^2} = 4 \tag{3}$$

$$d = \frac{5}{4} \tag{4}$$

The correct value of d will be $\frac{5}{4}$.