

# Scale Factors and Dilation

Monday, February 08, 2010  
10:49 AM

$$SF = \frac{\text{image}}{\text{original}}$$

$SF > 1 \Rightarrow$  image larger

$SF < 1 \Rightarrow$  image smaller

$SF = 1 \Rightarrow$  image same size

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$$m \overline{AB} = 5.36 \text{ cm}$$

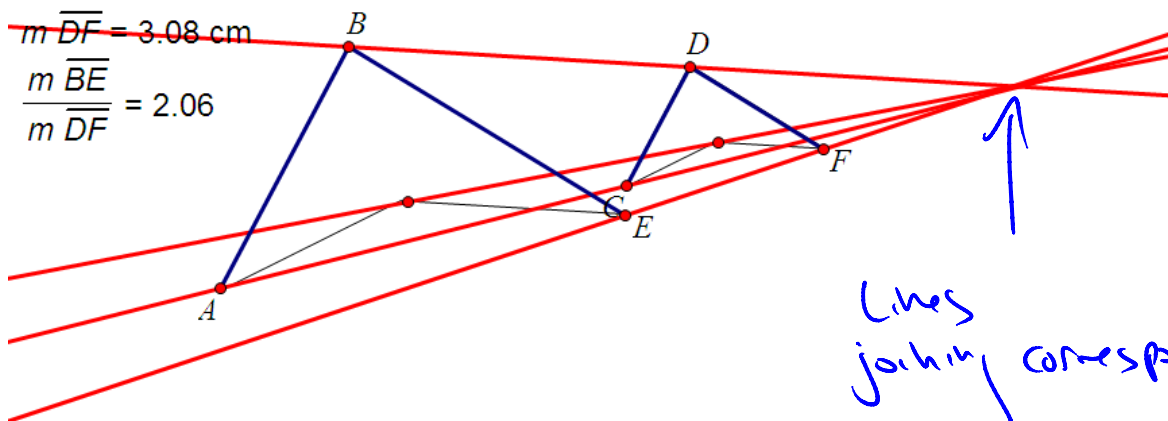
$$m \overline{CD} = 2.64 \text{ cm}$$

$$\frac{m \overline{AB}}{m \overline{CD}} = 2.03$$

$$m \overline{BE} = 6.35 \text{ cm}$$

$$m \overline{DF} = 3.08 \text{ cm}$$

$$\frac{m \overline{BE}}{m \overline{DF}} = 2.06$$



Lines  
joining corresponding  
vertices  
concur!

Screen clipping taken: 2/8/2010, 10:56 AM

$m\angle A'D'C' = 90.00^\circ$

$m\overline{A'D'} = 2.67 \text{ cm}$

$m\overline{A'B'} = 2.67 \text{ cm}$

$m\overline{B'C'} = 2.67 \text{ cm}$

$m\overline{D'C'} = 2.67 \text{ cm}$

