

Dilations

① $\triangle ABC$ has vertices $A(1,2)$ $B(3,6)$ $C(5,3)$
Find the coordinates of $\triangle A'B'C'$ after a
dilation with a scale factor of 3.

② $\triangle DEF$ has vertices $D(0,4)$ $E(2,6)$ $F(4,2)$
Find the coordinates of $\triangle D'E'F'$ after a
dilation with a scale factor of $\frac{1}{2}$.
Graph $\triangle DEF$ & $\triangle D'E'F'$.

Answers:

① $A'(3,6)$ $B'(9,18)$ $C'(15,9)$

② $D'(0,2)$ $E'(1,3)$ $F'(2,1)$

