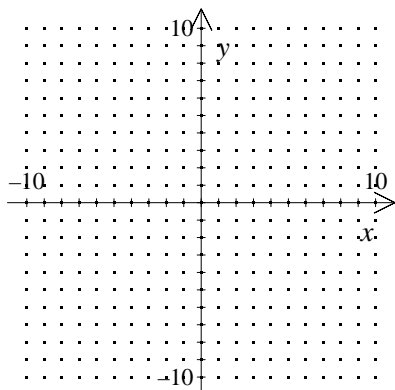


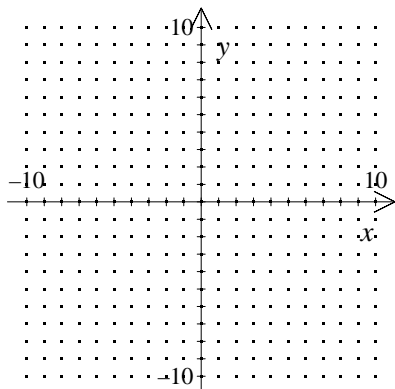
P.I. G.G.58: Define, investigate, justify, and apply similarities (dilations and the composition of dilations and isometries)

1. Graph \overline{EF} with $E(-2, -2)$ and $F(3, -4)$. Then graph its dilation with a scale factor of 2.



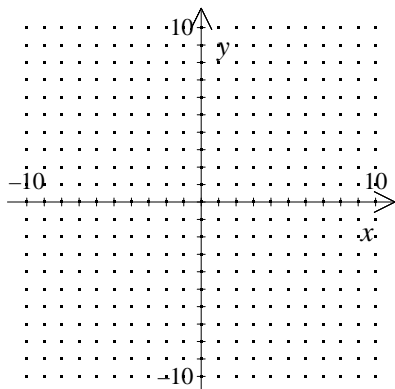
[1]

2. Graph \overline{GH} with $G(3, -3)$ and $H(-2, 1)$. Then graph its dilation with a scale factor of 2.



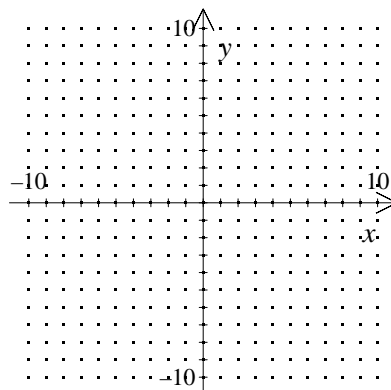
[2]

3. Graph \overline{IJ} with $I(-4, 4)$ and $J(1, 3)$. Then graph its dilation with a scale factor of 2.



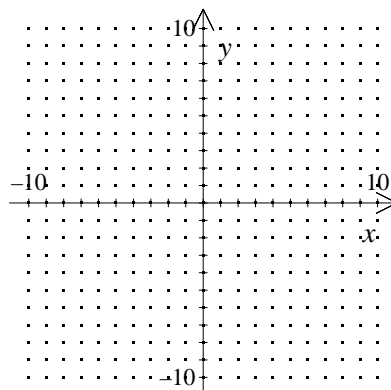
[3]

4. Graph \overline{CD} with $C(4, -3)$ and $D(1, 1)$. Then graph its dilation with a scale factor of 2.



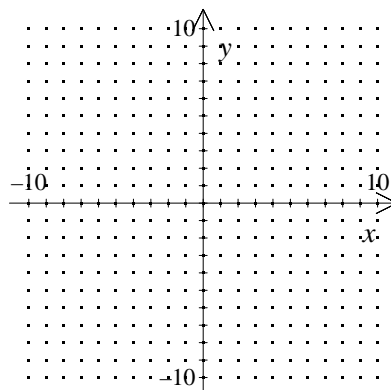
[4]

5. Graph \overline{JK} with $J(2, 3)$ and $K(-4, 4)$. Then graph its dilation with a scale factor of 2.



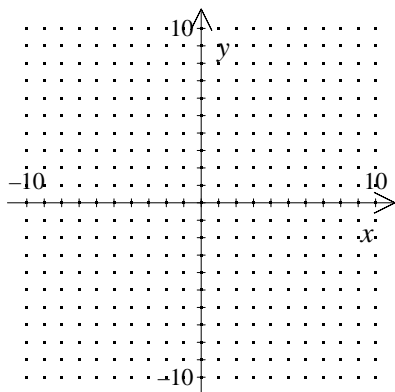
[5]

6. Graph \overline{GH} with $G(4, -4)$ and $H(-2, 3)$. Then graph its dilation with a scale factor of 2.



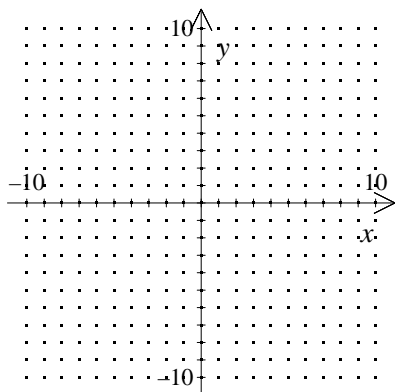
[6]

7. Graph \overline{BC} with $B(3, -2)$ and $C(-1, -3)$. Then graph its dilation with a scale factor of 1.5.



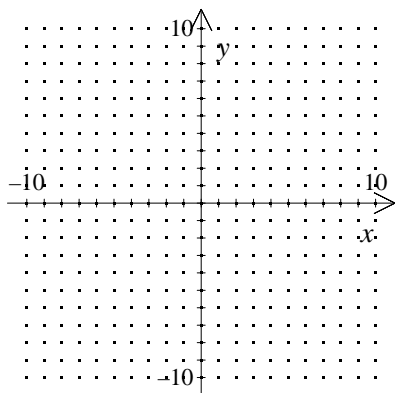
[7]

8. Graph \overline{AB} with $A(-4, 2)$ and $B(1, 4)$. Then graph its dilation with a scale factor of 2.5.



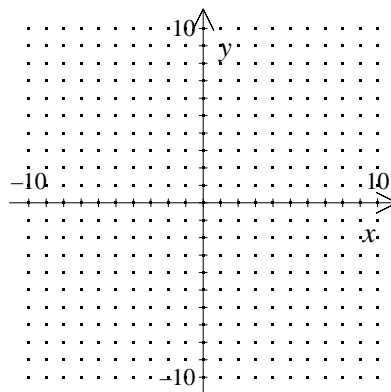
[8]

9. Graph \overline{FG} with $F(3, -4)$ and $G(2, -1)$. Then graph its dilation with a scale factor of 0.5.



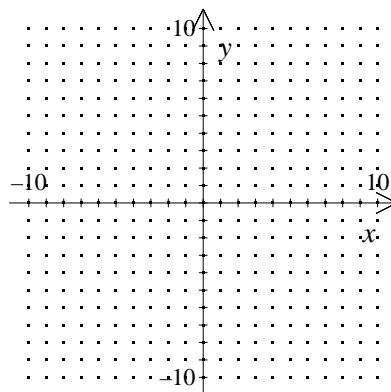
[9]

10. Graph \overline{DE} with $D(1, 1)$ and $E(2, -2)$. Then graph its dilation with a scale factor of 1.5.



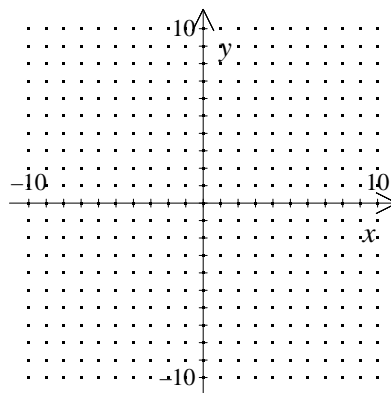
[10]

11. Graph \overline{AB} with $A(4, 1)$ and $B(3, 3)$. Then graph its dilation with a scale factor of 2.5.

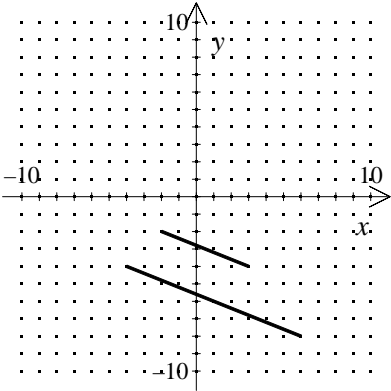


[11]

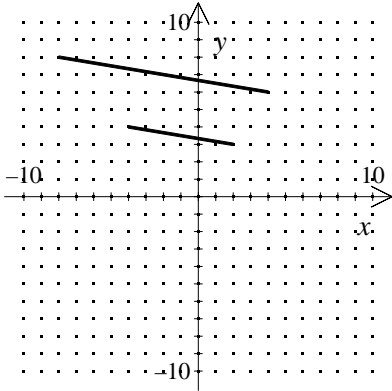
12. Graph \overline{EF} with $E(-2, -4)$ and $F(-1, 2)$. Then graph its dilation with a scale factor of 0.5.



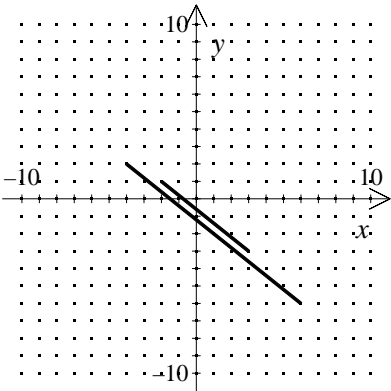
[12]



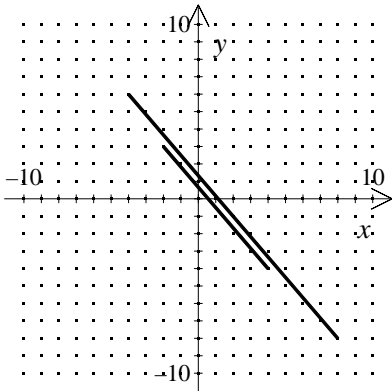
[1]



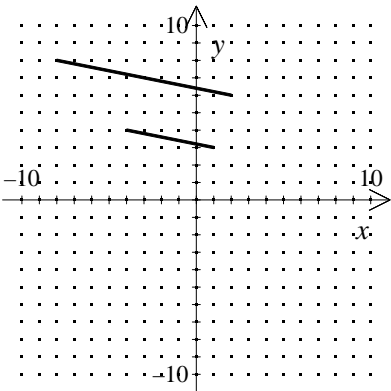
[5]



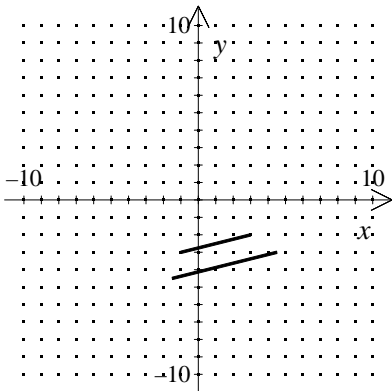
[2]



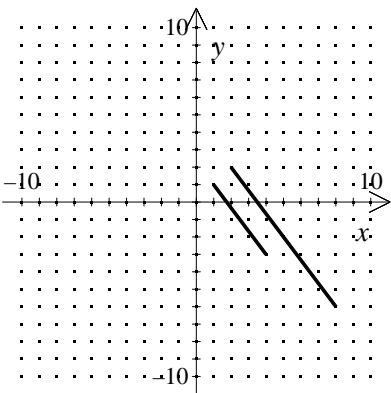
[6]



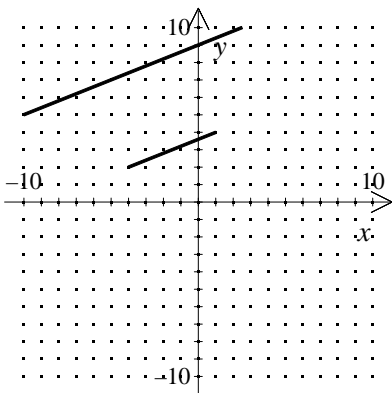
[3]



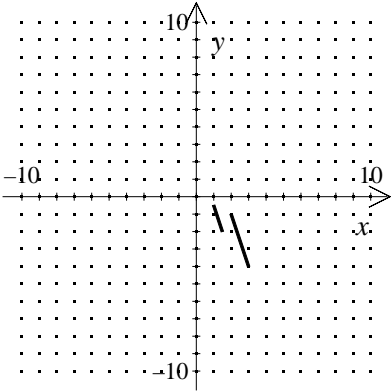
[7]



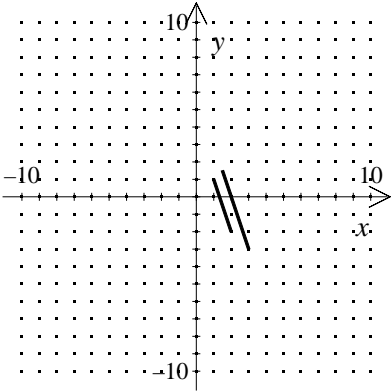
[4]



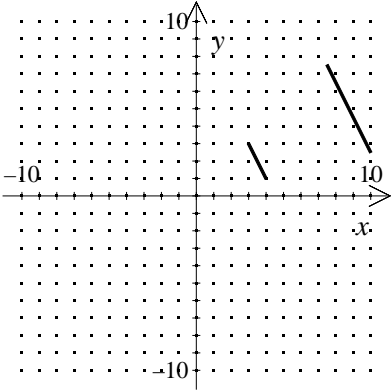
[8]



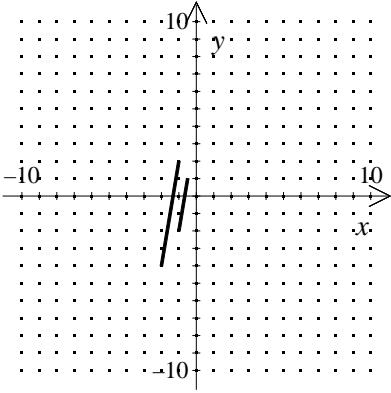
[9]



[10]



[11]



[12]
