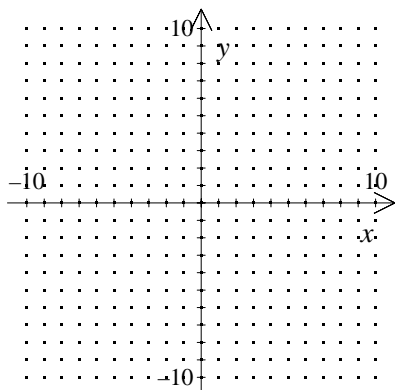


NAME: _____

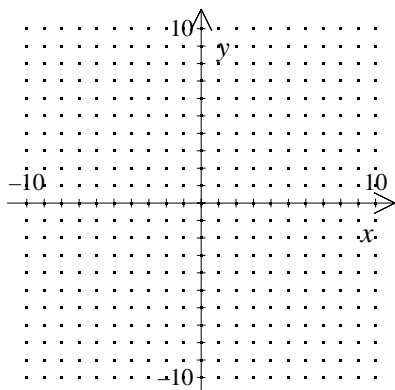
P.I. G.G.58: Define, investigate, justify, and apply similarities (dilations)

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



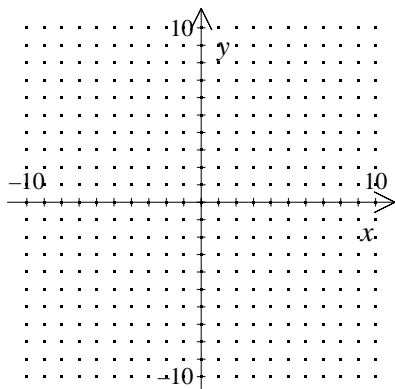
[1] _____

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



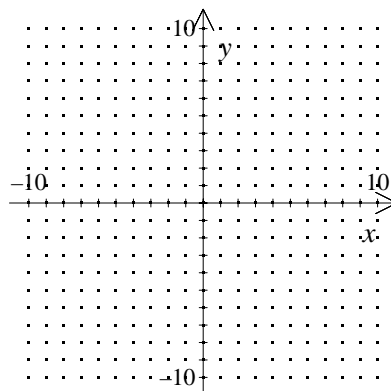
[2] _____

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



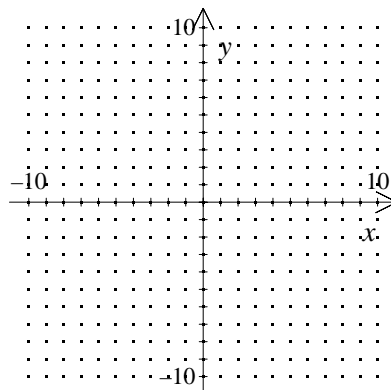
[3] _____

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



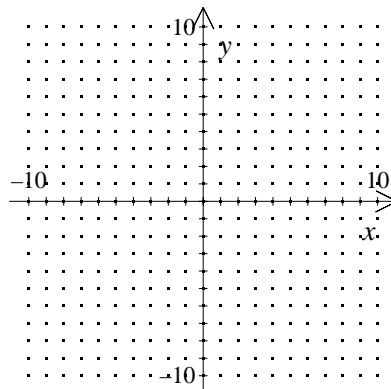
[4] _____

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



[5] _____

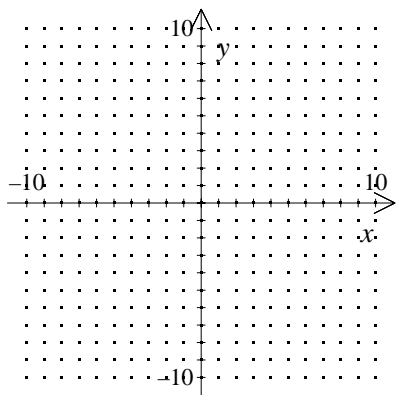
6. Graph \overline{GH} with $G(4, -4)$ and $H(-2, 3)$. Then graph its dilation with a scale factor of 2.



[6] _____

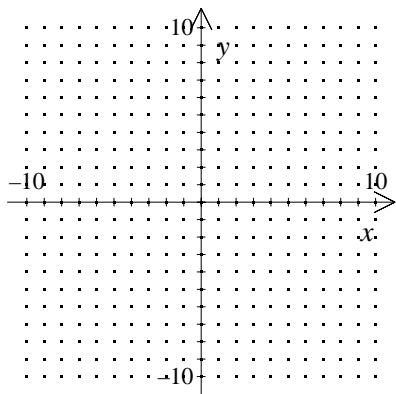
NAME: _____

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



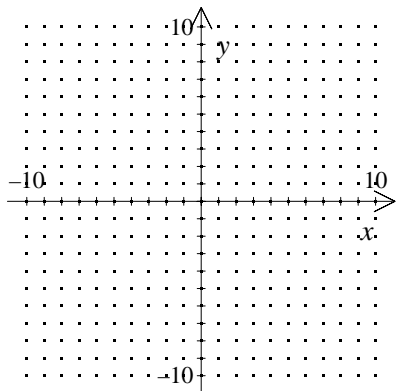
[7] _____

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



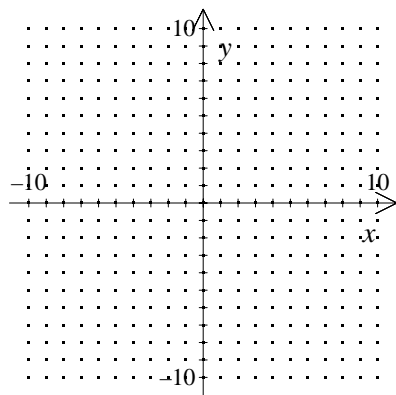
[8] _____

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



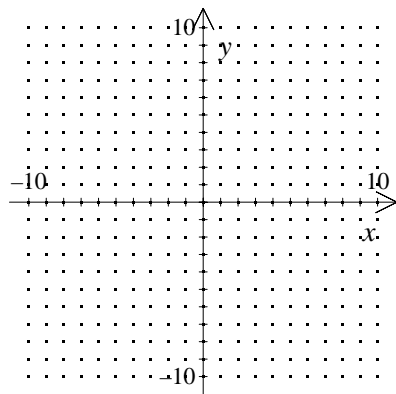
[9] _____

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



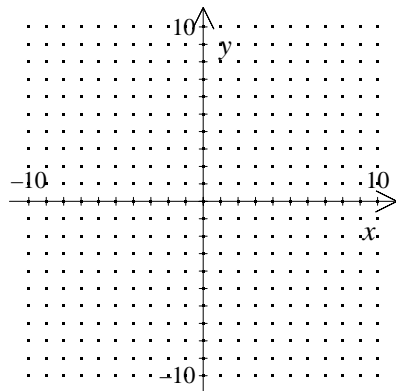
[10] _____

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

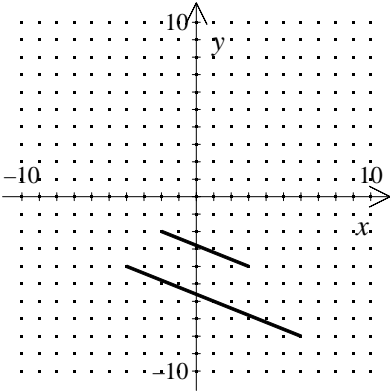


[11] _____

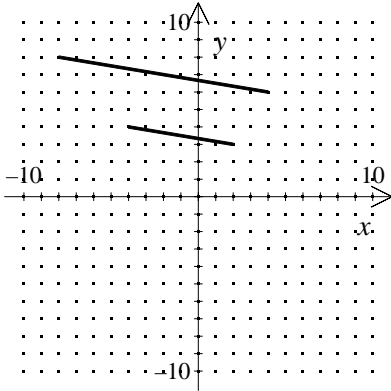
12. Graph \overline{EF} with $E(-2, -4)$ and $F(-1, 2)$. Then graph its dilation with a scale factor of 0.5.



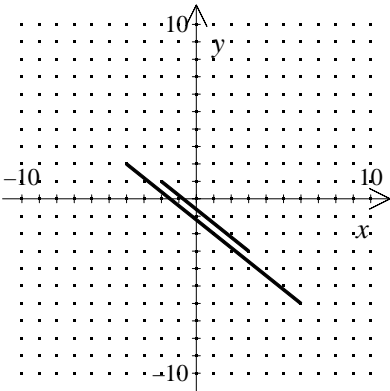
[12] _____



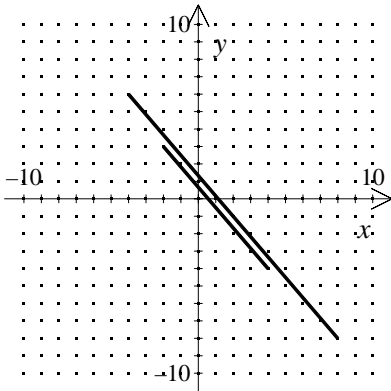
[1]



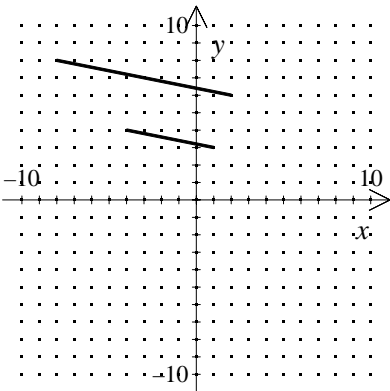
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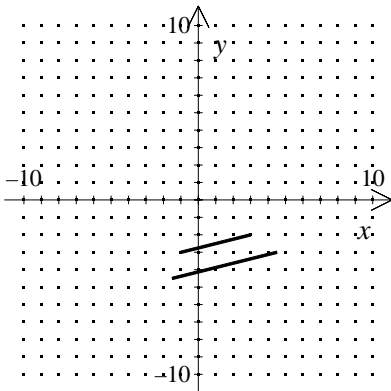
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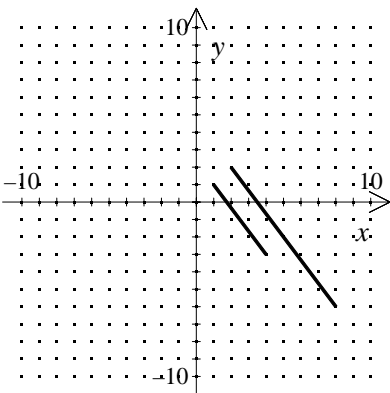
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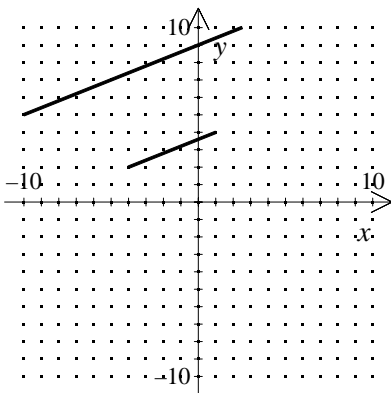
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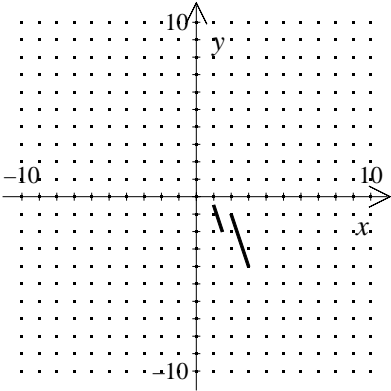
[7]



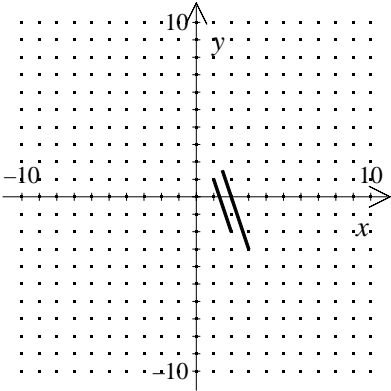
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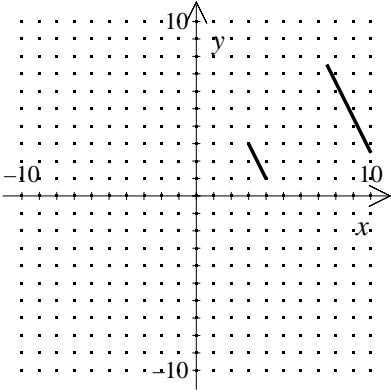
[8]



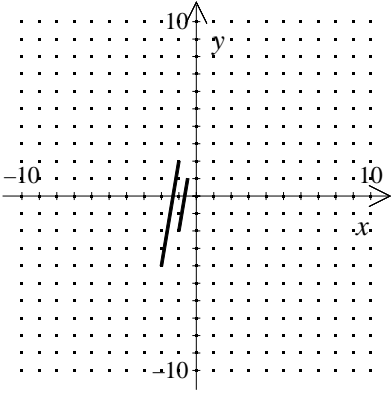
[9]



[10]



[11]



[12]