### Lesson 1 Practice Problems

1. Describe a transformation that gives the graph representing $g$ from the graph representing $f$.
* a.
* 
* b.
* 
* c.
* 
*
1. Describe a way to transform each graph so that it goes through the labeled points.
* a.
* 
* b.
* 
* c.
* 
* d.
* 
1. Describe a way to transform each graph so that it better matches the data.
* a.
* 
* b.
* 
* c.
* 
*
1. Does the function $f$ or the function $g$ fit the data better? Explain your reasoning.
* 
1. For the polynomial function $A\left(x\right)=2x^{3}+5x^{2}−28x−15$ we know $\left(x+5\right)$ is a factor. Rewrite $A\left(x\right)$ as a product of linear factors.
* (From Unit 2, Lesson 13.)



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