

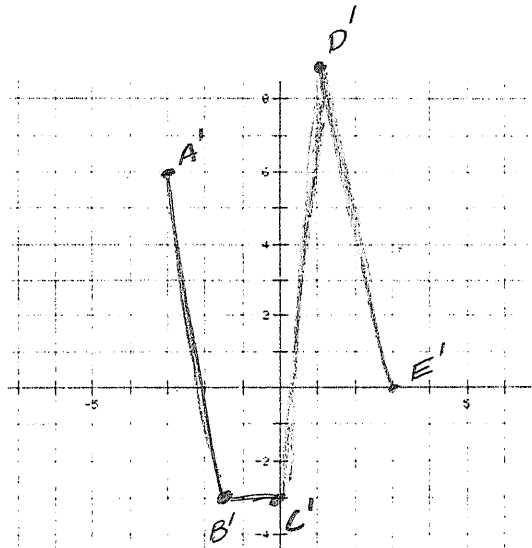
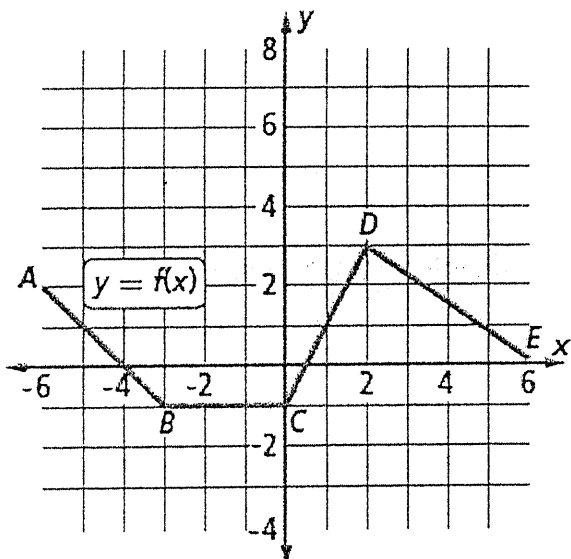
FST 3-5 WARM UP

A graph and table for  $y = f(x)$  are given at the right.

Draw the graph of  $\frac{y}{3} = f(2x)$ .

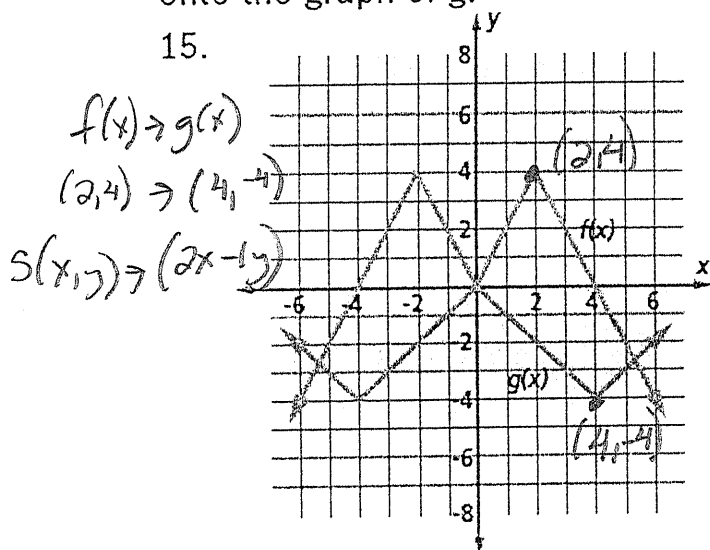
$S(x, y) = (\frac{1}{2}x, 3y)$   
 $A(-6, 2) \rightarrow (\frac{1}{2}(-6), 3(2)) \rightarrow (-3, 6) A'$   
 $B(-3, -1) \rightarrow (\frac{1}{2}(-3), 3(-1)) \rightarrow (-\frac{3}{2}, -3) B'$   
 $C(0, -1) \rightarrow (\frac{1}{2}(0), 3(-1)) \rightarrow (0, -3) C'$   
 $D(2, 3) \rightarrow (\frac{1}{2}(2), 3(3)) \rightarrow (1, 9) D'$   
 $E(6, 0) \rightarrow (\frac{1}{2}(6), 3(0)) \rightarrow (3, 0) E'$

	x	f(x)
A	-6	2
B	-3	-1
C	0	-1
D	2	3
E	6	0



In 15 and 16, give a rule for a scale change that maps the graph of  $f$  onto the graph of  $g$ .

15.



16.

