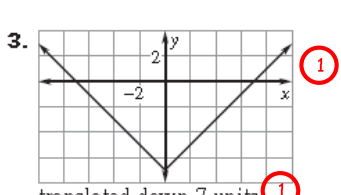
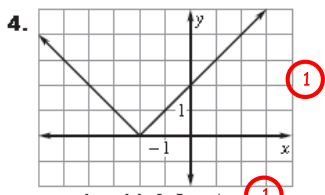


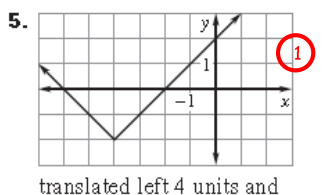
p. 127/ # 3 - 14, (GRAPH PAPER) # 15 - 20, # 40, 41



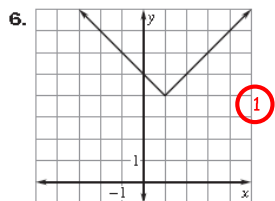
translated down 7 units 1



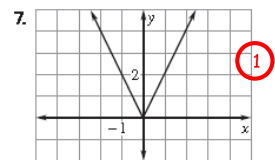
translated left 2 units 1



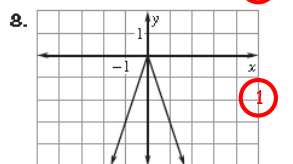
translated left 4 units and down 2 units 1



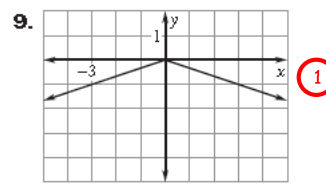
translated right 1 unit and up 4 units 1



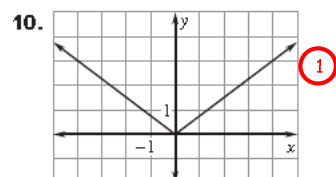
stretched vertically by a factor of 2 1



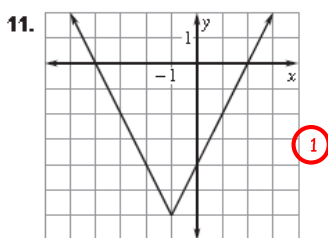
reflected over the x-axis and stretched vertically by a factor of 3 1



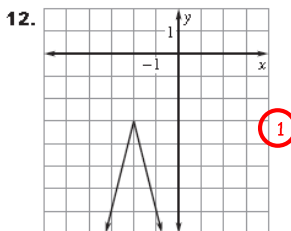
reflected over the x-axis and shrunk vertically by a factor of  $\frac{1}{3}$  1



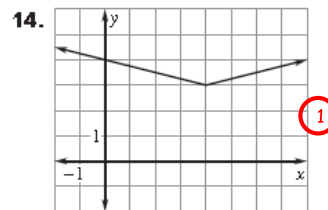
shrunk vertically by a factor of  $\frac{3}{4}$  1



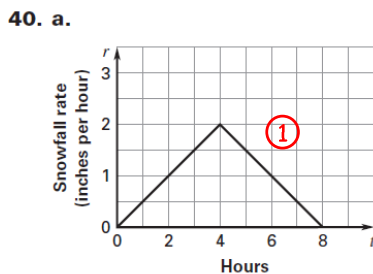
stretched vertically by a factor of 2, translated left 1 unit and down 6 units 1



reflected over the x-axis, stretched vertically by a factor of 4, translated left 2 units and down 3 units 1



shrunk vertically by a factor of  $\frac{1}{4}$ , translated right 4 units and up 3 units 1



b. 4 h; 2 in./h; it is the vertex of the graph. 3

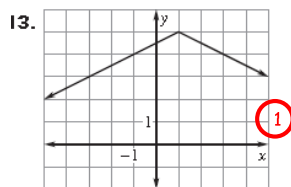
c. 8 in. 1

41. a.

<b>t</b>	0	0.5	1	1.5	2	2.5	3
<b>d</b>	90	60	30	0	30	60	90

39 points

c.  $d = |90 - 60t|; \frac{2}{3} \leq t \leq \frac{7}{3}$  2



reflected over the x-axis, shrunk vertically by a factor of  $\frac{1}{2}$ , translated right 1 unit and up 5 units 1

15.  $y = -3|x|$  1

16.  $y = |x - 4| + 3$  1

17.  $y = \frac{1}{3}|x|$  1

18.  $y = -|x| + 2$  1

19.  $y = \frac{1}{2}|x + 2| - 1$  1

20.  $y = 2|x - 5| + 2$  1

