

# Answer Key

## Practice B

1. 

<b>x</b>	-6	-3	0	3	6
<b>y</b>	1	2	3	4	5

2. 

<b>x</b>	1	2	4	6	0
<b>y</b>	-1	$-\frac{2}{3}$	0	$\frac{1}{2}$	3

3. yes 4. no 5. no 6. no 7. yes 8. yes

9-16. Show  $f(g(x)) = x$  and  $g(f(x)) = x$ .

17.  $y = \frac{1}{4}x$  18.  $y = -x + 5$  19.  $y = \frac{1}{3}x - \frac{1}{3}$

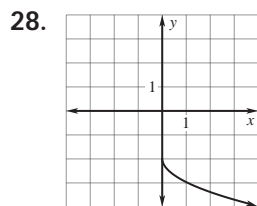
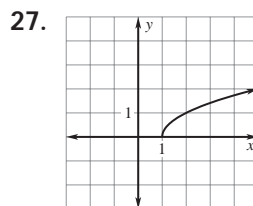
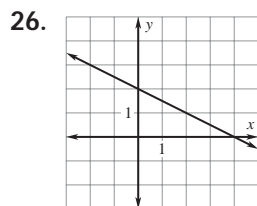
20.  $y = \frac{1}{4}x + \frac{9}{4}$  21.  $y = 2x - 12$

22.  $y = \frac{3}{2} - \frac{1}{2}x$

23.  $y = -\sqrt{x-3}$ ,  $y = \sqrt{x-3}$

24.  $y = -\sqrt{x+1}$ ,  $y = \sqrt{x+1}$

25.  $y = x^2, x \geq 0$



29.  $C = K - 273.15$ ,  
 $21.85^\circ\text{C}$

30.  $R = \frac{S}{0.75}$ , \$26.51