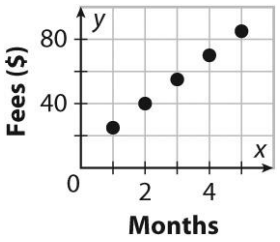
LESSON 4-1

Practice and Problem Solving: A/B

1. 3; 5; 24; 48; 72; Domain: 1, 2, 3, 4, 5, 6; Range: 12, 24, 36, 48, 60, 72
2. 2, 5, 8, 11
3. 8, 13, 20, 29
4. 0, 0, 2, 6
5. 0, 1, $\sqrt{2}$, $\sqrt{3}$
6. 2; 2; 10; 40; 40; 3; 3;10; 55; 55;4; 4; 10; 70; 70; 5;5; 10; 85; 85; ordered pairs (1, 25), (2, 40), (3, 55), (4, 70), (5, 85)
7. 

LESSON 4-2

Practice and Problem Solving: A/B

1. $f(n) = 8 + 4(n - 1)$;
   $f(1) = 8$, $f(n) = f(n - 1) + 4$ for n ³ 2
2. $f(n) = 11 - 4(n - 1)$;
   $f(1) = 11$, $f(n) = f(n - 1) - 4$ for $n \geq 2$
3. $f(n) = -20 + 7(n - 1)$;
   $f(1) = -20$,
   $f(n) = f(n - 1) + 7$ for $n \geq 2$
4. $f(n) = 2.7 + 1.6(n - 1)$;
   $f(1) = 2.7$,
   $f(n) = f(n - 1) + 1.6$ for $n \geq 2$
5. $f(n) = 45 + 5(n - 1)$; $f(1) = 45$, $f(n) = f(n - 1) + 5$ for $n \geq 2$
6. $f(n) = 94 - 7(n - 1)$; $f(1) = 94$, $f(n) = f(n - 1) - 7$ for $n \geq 2$
7. $f(n) = 12 + 14(n - 1)$; $f(1) = 12$, $f(n) = f(n - 1) + 14$ for $n \geq 2$
8. $f(n) = 83 - 40(n - 1)$; $f(1) = 83$, $f(n) = f(n - 1) - 40$ for $n \geq 2$
9. 13, 19, 25, 31
10. $f(n) = 100 + 50(n - 1)$

LESSON 4-3

Practice and Problem Solving: A/B

1. 55, 110, 165, 220; 55
2. $1.20, $2.40, $3.60, $4.80; $1.20
3. 90; 110; 130; 150; 170; 190; 210; 230; 250
4. 20
5. $f(n) = 30 + 20\ (n - 1)$
6. The amount of money Riley spends through December for her pool cost.
7. $250