

# Answer Key

## Practice C

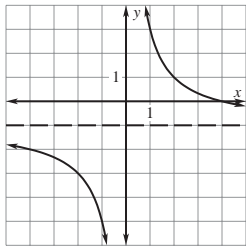
1.  $y = 5; x = \frac{1}{2}$ ; domain: all real numbers except  $\frac{1}{2}$ ; range: all real numbers except 5

2.  $y = -\frac{3}{4}; x = \frac{1}{8}$ ; domain: all real numbers except  $\frac{1}{8}$ ; range: all real numbers except  $-\frac{3}{4}$

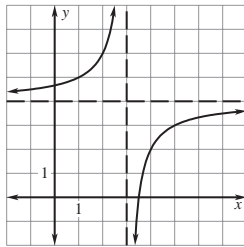
3.  $y = -10; x = -7$ ; domain: all real numbers except  $-7$ ; range: all real numbers except  $-10$

4. C 5. A 6. B

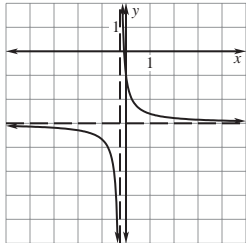
7. domain: all real numbers except 0; range: all real numbers except  $-1$



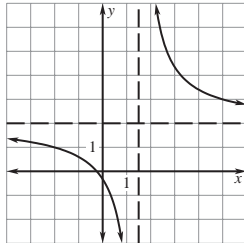
8. domain: all real numbers except 3; range: all real numbers except 4



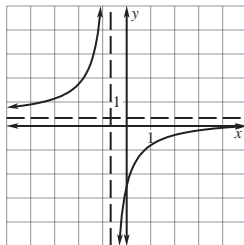
9. domain: all real numbers except  $-\frac{1}{4}$ ; range: all real numbers except  $-3$



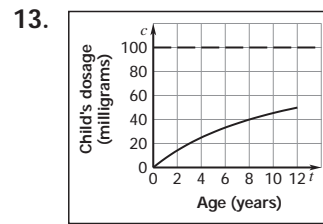
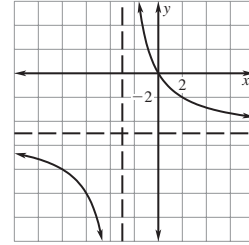
10. domain: all real numbers except  $\frac{3}{2}$ ; range: all real numbers except 2



11. domain: all real numbers except  $-\frac{2}{3}$ ; range: all real numbers except  $\frac{1}{3}$



12. domain: all real numbers except  $-3$ ; range: all real numbers except  $-5$



14. 40 milligrams

15.  $y = 100$ ; the child's dose will be less than 100 milligrams