

## Section 1.8 Focus Exercise Answers

1. a)  $14 - 2$       b)  $\sqrt{16}$       c)  $15 + 10$       d)  $5^3$   
e)  $11 \cdot 8$       f)  $12 \div 4$
2. a) the product of 9 and 20.      b) the square root of 64  
c) the difference of 16 and 4      d) the quotient of 18 and 3  
e) the 5th power of 3      f) the sum of 8 and 10
3. a)  $-3 \cdot x$       b)  $x \div 7$       c)  $-9 - x$       d)  $-10 + x$   
e)  $x^2$       f)  $x - (-8)$
4. a)  $-2$       b)  $-90$       c)  $-9$       d)  $-1$       e)  $14$       f)  $-33$
5. a) Sum; The sum of the square of a number and 6.  
b) Square root; The square root of the difference of a number and 5.  
c) Square; The square of the product of 3 and a number.  
d) Multiplication; The product of 6 and the sum of a number and 8.  
e) Subtraction; The difference of 10 and the square root of a number.
6. a)  $x^2 \div 4$       b)  $6 \cdot (x + 2)$       c)  $3 + x \div 6$       d)  $5 - x \cdot 9$   
e)  $\sqrt{x} - 9$       f)  $(x + 6)^2$