

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) $(x + 6)^2$