

Math 0406 – Beginning Algebra
Algebraic Expressions: Translating

Translate the following into an algebraic expression. Simplify your answer.

1. Six more than twice a number.
2. Four less than a number.
3. The sum of three times a number and negative four.
4. The product of twice a number and seven.
5. The quotient of a number and negative six.
6. The product of the sum of a number and twelve and ten.
7. The difference between twice a number and the product of the number and three.
8. The quotient of four times a number and the sum of the number and four.

Solutions:

1. $2n + 6$

2. $n - 4$

3. $3n + (-4)$

4. $(2n)(7) = 14n$

5. $n/-6$

6. $10(n + 12) = 10n + 120$

7. $2n - 3n = -n$

8. $4n / (n+4)$