

Substitution

Substitute and simplify.

$$x = 2, y = 9, z = -5$$

$$1. x + y + z = 6$$

$$2. 8x + 3z = 9$$

$$3. 4y + 3xz = 6$$

$$4. xyz + 10 = -9$$

$$5. 2(y + z) = 8$$

$$6. (y + z)^3 = 64$$

$$7. 3z + xy = 3$$

$$8. (x + y + z)^2 = 36$$

$$9. (x + y)^2 = 121$$

$$10. (x - z) + y = 16$$

Substitute and simplify.

$$w = -6, x = 4, y = 3, z = -8$$

$$1. wx + yz = -48$$

$$2. 2w + 3z - xy + z^3 = -560$$

$$3. y(z + x) = -12$$

$$4. (w + x + y)^3 = 1$$

$$5. (z - w)^3 = -8$$

$$6. 5(w + x) + 4(y + z) = -30$$

$$7. w^2 - x^2 = 20$$

$$8. (xy)^2 - 2wz = 48$$

$$9. wz - 4xy = 0$$

$$10. w + (x + y + z)^2 = -5$$