

Simultaneous Quadratic Equations

Bronze

1) $u = v^2$
 $u = 6v - 8$

2) $n = h^2$
 $n = 7h - 12$

3) $r = x^2$
 $r = x + 6$

4) $t = f^2$
 $t = 4f - 3$

Silver

1) $e = q^2 - 2q - 12$
 $e = -4q + 3$

2) $a = y^2 + 3y - 7$
 $a = -y - 2$

3) $b = k^2 + 6k + 16$
 $b = -k + 4$

4) $z = w^2 + w - 21$
 $z = 2w - 1$

Gold

1) $j - 6p = -3$
 $j^2 + p^2 = 1$

2) $5s + m = 7$
 $s^2 + m^2 = 16$

3) $c - 5g = -1$
 $c^2 + g^2 = 4$

4) $6e + u = 3$
 $e^2 + u^2 = 16$

Platinum

1) $4x^2 + y^2 = 13$
 $x^2 + y^2 = 10$

2) $(x-2)^2 + (y-3)^2 = 9$
 $(x-1)^2 + (y+1)^2 = 16$