**KVADRIRANJE IN RAZSTAVLJANJE**

1. Kvadriraj! (a+b)2= a2+2ab+b2 2. Izračunaj po pravilu! (a+b)(a-b)=a2- b2

(a +1)2= (a + 1)(a – 1) =

(x -5y)2 = (x – 5)(x + 5) =

(3X – 5Y)2=

\*(-a +b)2 = (2a + b)(2a – b) =

\*(x2 + y2)2=

(11 - b)2= (3x – 5y)(3x + 5y) =

(2a - b)2=

\*(3ab – 2a2)2 = (6a – 7b2)(6a + 7b2) =

3. Izpostavi skupni faktor!

1. 4x + 4y = j) 15x2 + 5x3 =
2. 15m – 18n = k) 20x3 + 10x2 +5x =
3. 4a – 12b = \*l) –x – y =
4. 36x - 9y = m) 15x – 15 =
5. 11a2 – 22ab2 = n) 4x4 + 4x2 =
6. 2a2b + 10ab2 = \*o) a (x-1) + b (x -1) =
7. 27x3 – 3x5 = \*p) 2x (m – n) – 2y (m – n) =
8. 12ab2 -18a3b3 = \*r) (a – b)2 + 3a (a – b) =
9. a2b3 – a3b2+ ab = \*s) x (b –c) + y (c – b) =

\*4. Razstavi!

1. a2 + 10a + 25 = g) x2 + 5x +6 =
2. x2 - 4x + 4 = h) x2 + 3x + 2 =
3. v2 + 10v + 25 = i) 4z2 + 40z + 100 =
4. a2 – 4a + 4 = j) a2 – 8a + 15 =
5. y2 – 20y + 100 = k) x2 – 4x – 21 =
6. m2 – m – 6 = l) c2 + 5c – 14 =

5. Razstavi!

1. a2 – 9 = \*g) a4 – b4 =
2. 4 – m2 = \*h) (a + b )2 – 1 =
3. 9p2 -1 = \*i) 4 – (x + y)2 =
4. 16 – x2 = \*j) (a + b)2 – (c + d)2 =
5. a2 – 25b2 = \*k) 75x3y3 – 3xy =
6. 49x2 – 121y2 = \*l) 9ab3 – 25a3 =