**6. Mocnina mocniny**

**(** **xa )b = xa . b** Odvození: (72)3 = 72 . 72 . 72 = 7.7 . 7.7 . 7.7 = 72 . 3 = 76

**Př.1. Umocni.**

(74,62)15 = ((- 25)0)11 =

(8,57)4 = (3,671)4 =

[(- 48)2]4 = ( 0,3611)5 =

[(- 3,6)7]40 = ( 1261)7 =

{ [(-9)3]4 }9 = [(2,95)3]10 =

[ (6,720)4 ]1 = ( ((-5)7)2)4 =

[ (8,37)2]20 = {[ (67)2 ]2 }3 =

{ [(-97)3]40 }0 = [(2049)3]2 =

**Př. 2. Zapiš jako jednu mocninu.**

47 . (44 )2 : (45 . 4 . 4) =

(228)7 . 22 . 22 : (224)5 =

(314 )5 . 3112 : (319 . 312) =

(-3)30 . (-3)9 : [(-3)15]4 =

910 . 92 : (911 . 94)2 =

(238)2 : (234)6 =

(-116 +2 . 116) : (112)3 =

(63)7 . 6. (6 . 52 )4 : (61 . 58) =

(4,1310)2 : (4,135)7 =

(-2.616 +3 . 616) : (612)7 =

(884 )11 . 8812 : (888 . 885) =

(353 )5 . 3510 . (354 . 352)3 =