SP 23.4. 8A

SOUČIN A PODÍL MOCNIN SE STEJNÝM ZÁKLADEM

1. Urči hodnotu x

a) $2^3 \cdot 2^4 = 2^x$ x =

b) $2^3 \cdot 2^5 = 2^x$ x =

c) $5^3 \cdot 5^x = 5^5$ x =

d) $6 \cdot 6^3 = 6^x$ x =

e) $11^2 \cdot 11^5 = 11^x$ x =

f) $9 \cdot 3^3 = 3^x$ x =

g) $3^7 \cdot 3^6 = 3^x$ x =

h) $4^{15} \cdot 4^6 = 4^x$ x =

i) $8^{22} \cdot 8^8 = 8^x$ x =

2. Urči hodnotu x

a) $5^3 : 5^2 = 5^x$ x =

b) $(-4)^6 : (-4)^4 = (-4)^x$ x =

c) $y^7 : y^3 = y^x$ x =

d) $P^{10} : p^7 = p^x$ x =

e) $4^{12} : 4^4 = 4^x$ x =

f) $3^7 : 3^6 = 3^x$ x =

g) $11^2 : 11^5 = 11^x$ x =

h) $8^{22} : 8^8 = 8^x$ x =

i) $9^{14} : 9^{12} = 9^x$ x =

LIVEWORKSHEETS