

Absolutní hodnota

s. 19 – cv. 1

a) $|-7| = 7$

c) $|0| = 0$

e) $|-5| = 5$

g) $|+316| = 316$

b) $|+15| = 15$

d) $|4| = 4$

f) $|-154| = 154$

h) $|+8| = 8$

s. 19 – cv. 2

a) $|3| + |-7| = 3 + 7 = 10$

c) $|-8| + |-4| = 8 + 4 = 12$

e) $|-15| - |+6| = 15 - 6 = 9$

g) $|-18| \cdot |-2| = 18 \cdot 2 = 36$

b) $|-9| + |-12| = 9 + 12 = 21$

d) $|-31| - |-18| = 31 - 18 = 13$

f) $|+4| \cdot |-6| = 4 \cdot 6 = 24$

h) $|+36| : |-9| = 36 : 9 = 4$

s. 20 – cv. 3

a) $|x| = 6$ $x = -6; 6$

c) $|x| = 8 - 3$ $x = -5; 5$

e) $|x| = 3 \cdot 4$ $x = -12; 12$

g) $|x| = 15 - 15$ $x = 0$

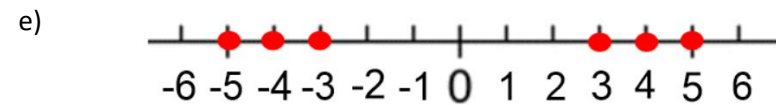
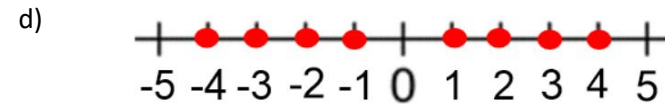
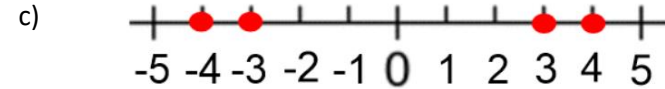
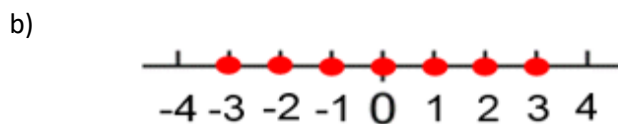
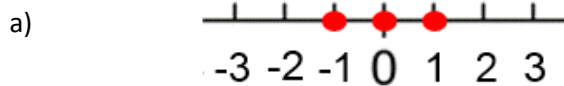
b) $|x| = 0$ $x = 0$

d) $|x| = -2$ $x = \text{neexistuje}$

f) $|x| = 24 : 8$ $x = -3; 3$

h) $|x| = -4$ $x = \text{neexistuje}$

s. 20 – cv. 3



f) žádné takové x neexistuje

s. 20 – cv. 5

x	+5	-17	0	-8	-7	+6	+54	-172	+32	+58	-91	-3120
-x	-5	+17	0	+8	+7	-6	-54	+172	-32	-58	+91	+3120

Porovnání celých čísel

s. 20 – cv. 1

a) $7 > +6$ c) $0 < +5$ e) $0 > -8$ g) $12 > -9$

s. 20 – cv. 2

a) $-7 > -15$ c) $0 > -8$ e) $0 < 6$ g) $-10 < +1$

s. 20 – cv. 3

a) -12 ; $+3$; -10 c) -8 ; -11 ; 0 e) -36 ; -42 ; -15 g) $+5$; -23 ; 0

s. 20 – cv. 4

a) 6 ; -8 ; 0 ; 4

c) $+9$; 21 ; 8 ; $+3$

e) $+71$; -2 ; $+25$; 1

g) $+321$; -123 ; $+123$; -213

s. 21 – cv. 5

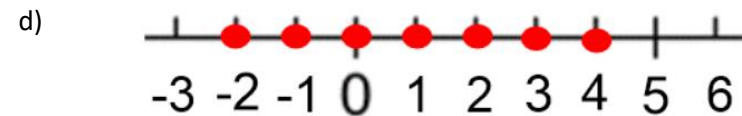
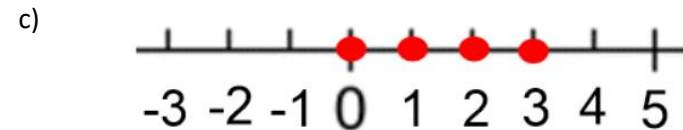
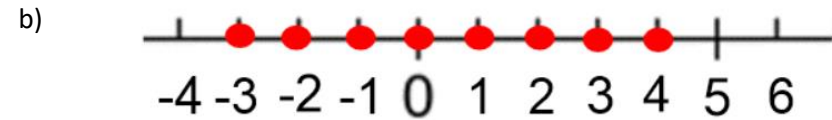
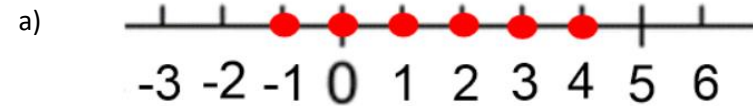
a) $-8 < |-9|$ ($-8 < +9$) b) $(5 + 3) > -7$ ($8 > -7$)

c) $|-10| = 10$ ($10 = 10$) d) $0 < (4 + 3)$ ($0 < 7$)

e) $-15 < |12 + 3|$ ($-15 < 15$) f) $4 > -5$

g) $|13| > -13$ ($13 > -13$) h) $-2 < |-12|$ ($-2 < +12$)

s. 21 – cv. 6



s. 21 – cv. 7

a) $x = -2$

b) $x = -4; -3; -2; -1; 0; 1$

c) $x = 4; 5$

d) $x = -15; -14; -13$

e) $x = -7; -6; -5; -4$

f) $x = -23; -22; -21; -20; -19$

g) $x = \text{neexistuje}$

h) $x = 0$

s. 21 – cv. 8

a) $-10; -7; -2; 0; +3; +6$

b) $-18; -10; -9; +7; 23$

c) $-14; -12; -10; +13; |-17|$

d) $-32; -27; -19; -13; -5$