

Intervallumok gyakorló

1. Határozd meg az alábbi intervallumok metszetét!

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|------------------------------|-------------|-----------------------------|-------------|------------------------------|-------------|
| a) $[18; 29] \cap [28; 44]$ | $[67; 87]$ | b) $[15; 28] \cap [27; 37]$ | $[87; 27]$ | c) $[-6; 8] \cap [10; 26]$ | \emptyset |
| d) $[-20; -5] \cap [-2; 15]$ | \emptyset | e) $[0; 15] \cap [19; 33]$ | \emptyset | f) $[-11; 6] \cap [0; 11]$ | $[9; 0]$ |
| g) $[-13; 6] \cap [-2; 13]$ | $[9; 7-]$ | h) $[8; 18] \cap [26; 41]$ | \emptyset | i) $[-19; -9] \cap [-3; 16]$ | \emptyset |
| j) $[-2; 16] \cap [15; 27]$ | $[91; 51]$ | k) $[-9; 1] \cap [10; 21]$ | \emptyset | l) $[14; 31] \cap [28; 45]$ | $[18; 87]$ |
| m) $[-13; 5] \cap [3; 17]$ | $[9; 3]$ | n) $[-18; -8] \cap [-8; 3]$ | $[8-]$ | o) $[-13; -1] \cap [1; 16]$ | \emptyset |
| p) $[20; 38] \cap [35; 53]$ | $[88; 35]$ | q) $[-14; 3] \cap [3; 21]$ | $\{3\}$ | r) $[-16; -4] \cap [-4; 15]$ | $\{-4\}$ |
| s) $[2; 17] \cap [16; 29]$ | $[21; 91]$ | t) $[5; 16] \cap [20; 31]$ | \emptyset | u) $[11; 21] \cap [26; 40]$ | \emptyset |
| v) $[-7; 10] \cap [9; 26]$ | $[01; 6]$ | w) $[17; 37] \cap [32; 45]$ | $[28; 37]$ | x) $[12; 22] \cap [31; 42]$ | \emptyset |

2. Határozd meg az alábbi intervallumok metszetét!

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|--|--------------|---|-------------|
| a) $[-17; 6] \cap [-20; 4] \cap [-17; 4]$ | $[7; 21-]$ | b) $[-32; 1] \cap [-37; -6] \cap [-32; -7]$ | $[2-; 32-]$ |
| c) $[-12; 16] \cap [-12; 9] \cap [-15; 10]$ | $[6; 21-]$ | d) $[-18; 13] \cap [-15; 5] \cap [-20; 5]$ | $[9; 51-]$ |
| e) $[9; 35] \cap [4; 29] \cap [2; 32]$ | $[67; 6]$ | f) $[-8; 16] \cap [-15; 22] \cap [-16; 20]$ | $[91; 8-]$ |
| g) $[-23; 9] \cap [-16; 7] \cap [-16; 12]$ | $[2; 91-]$ | h) $[-2; 22] \cap [-8; 32] \cap [-6; 26]$ | $[22; 2-]$ |
| i) $[-15; 14] \cap [-20; 17] \cap [-19; 12]$ | $[21; 1512]$ | j) $[-21; 3] \cap [-29; 4] \cap [-21; 7]$ | $[3; 21-]$ |
| k) $[-29; 3] \cap [-32; 0] \cap [-27; 2]$ | $[0; 27-]$ | l) $[6; 31] \cap [2; 37] \cap [10; 35]$ | $[18; 101]$ |
| m) $[-19; 12] \cap [-20; 6] \cap [-18; 4]$ | $[7; 181-]$ | n) $[-25; 5] \cap [-23; 8] \cap [-23; 5]$ | $[5; 23-]$ |