

Homework: Algebra skills assessment for solving equations

Circle the hardest problem you think you can solve. Start with that one and do the one before it (and after it if you can!). Show your check.

Solve for x.

Level 1) $x + 11 = 13$

Level 2) $19 = 3x + 1$

Level 3) $18x + 3 - 12x + 2 = 17$

Level 4) $4(5 + 3x) = 28$

Level 5) $12x + 2 = 9x + 17$

Level 6) $2(3x + 2) = 4(x + 5) - 4$

Solve for x . Circle the hardest Level 2 problem you think you can solve. Start with that one and do the one before it (and after it if you can). Show your check.

A) Natural numbers $5x + 11 = 26$

B) Integers $6 - 8x = -18$

C) Fractions / decimals / percents

$$3 = \frac{1}{2}x + 7$$

$$\frac{x+2}{4} = -3$$

$$1.4x + 1.2 = 4.0$$

D) Irrational $2x - \pi = \sqrt{2}$

E) Literals $-mx + y = b$