

Solving Equations

Solve the following equations:

1. $3x + 2 = 14$

2. $4x - 2 = 14$

3. $\frac{x + 10}{20} = 30$

4. $\frac{x - 5}{25} = 100$

Translate the following sentences into equations:

5. Michelle is 8 years younger than Julia. Julia is 19.

6. Bob is 23 years older than Rob. The sum of their ages is 90. How old are they?

Answers: 1) $x = 4$ 2) $x = 4$ 3) $x = 590$ 4) $x = 2505$ 5) $m = 19 - 8$ 6) $r + r + 23 = 90$
For 6), call Rob "r" and Bob "r + 23"