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| 1) $x^2 = 5 \Rightarrow x = \pm\sqrt{5}$ | 6) $x^2 = 12 \Rightarrow x = \pm\sqrt{12} = \pm 2\sqrt{3}$ |
| 2) $x^2 = 25 \Rightarrow x = \pm 5$ | 7) $x^2 = 17 \Rightarrow x = \pm\sqrt{17}$ |
| 3) $x^2 = -25$ kan niet | 8) $x^2 = 75 \Rightarrow x = \pm\sqrt{75} = \pm\sqrt{3 \cdot 25} = \pm 5\sqrt{3}$ |
| 4) $x^2 = \frac{4}{9} \Rightarrow x = \pm\frac{2}{3}$ | 9) $x^2 = 72 \Rightarrow x = \pm\sqrt{72} = \pm\sqrt{2 \cdot 36} = \pm 6\sqrt{2}$ |
| 5) $x^2 = 144 \Rightarrow x = \pm 12$ | 10) $x^2 = -12$ kan niet |

$3x^2 - 5 = 10 \Rightarrow$ $3x^2 = 10 + 5 \Rightarrow$ $3x^2 = 15 \Rightarrow$ $x^2 = \frac{15}{3} \Rightarrow$ $x^2 = 5 \Rightarrow$ $x = \pm\sqrt{5}$	$2x^2 + 5 = 10 \Rightarrow$ $2x^2 = 10 - 5$ $2x^2 = 5$ $x^2 = \frac{5}{2}$ $x = \pm\sqrt{\frac{5}{2}}$ $= \pm \frac{1}{2}\sqrt{10}$	$7x^2 - 1 = 11 \Rightarrow$ $7x^2 = 11 + 1$ $7x^2 = 12$ $x^2 = \frac{12}{7}$ $x = \pm\sqrt{\frac{12}{7}}$ $= \pm \frac{1}{7}\sqrt{7 \cdot 12}$ $= \pm \frac{2}{7}\sqrt{21}$	$-x^2 - 5 = 10 \Rightarrow$ $-x^2 = 10 + 5$ $-x^2 = 15$ $x^2 = -15$ kan niet
$3x^2 - 11 = -2x^2 - 7 \Rightarrow$ $3x^2 + 2x^2 = -7 + 11 \Rightarrow$ $5x^2 = 4 \Rightarrow$ $x^2 = \frac{4}{5} \Rightarrow$ $x = \pm\sqrt{\frac{4}{5}} \Rightarrow$ $x = \pm\frac{2}{\sqrt{5}} \Rightarrow$ $x = \pm\frac{1}{5}\sqrt{10}$	$-11 + 3x^2 = 10 + x^2 \Rightarrow$ $+3x^2 - x^2 = 10 + 11$ $2x^2 = 21$ $x^2 = \frac{21}{2}$ $x = \pm\sqrt{\frac{21}{2}}$ $= \pm \frac{1}{2}\sqrt{42}$	$+3 = -16x^2 + 5 \Rightarrow$ $16x^2 = +5 - 3$ $16x^2 = 2$ $x^2 = \frac{2}{16} = \frac{1}{8}$ $x = \pm\sqrt{\frac{1}{8}}$ $= \pm \frac{1}{8}\sqrt{8}$ $= \pm \frac{2}{8}\sqrt{2}$ $= \pm \frac{1}{4}\sqrt{2}$	$-5 = 10x^2 - 20 \Rightarrow$ $-10x^2 = -20 + 5$ $-10x^2 = -15$ $10x^2 = 15$ $x^2 = \frac{15}{10} = \frac{3}{2}$ $x = \pm\sqrt{\frac{3}{2}}$ $= \pm \frac{1}{2}\sqrt{6}$
$-x^2 - 11 = -2x^2 - 4 \Rightarrow$ $-x^2 + 2x^2 = -4 + 11$ $x^2 = 7$ $x = \pm\sqrt{7}$	$-3x^2 - 15 = 10 - x^2 \Rightarrow$ $-3x^2 + x^2 = 10 + 15$ $-2x^2 = 25$ $x^2 = \frac{25}{-2} = -\frac{25}{2}$ kan niet	$13x^2 - 5x = 10 - 5x + x^2$ $13x^2 - x^2 = 10$ $12x^2 = 10$ $x^2 = \frac{10}{12} = \frac{5}{6}$ $x = \pm\sqrt{\frac{5}{6}}$ $= \pm \frac{1}{6}\sqrt{30}$	$7x^2 - 12 = 8$ $7x^2 = 8 + 12$ $7x^2 = 20$ $x^2 = \frac{20}{7}$ $x = \pm\sqrt{\frac{20}{7}}$ $= \pm \frac{1}{7}\sqrt{7 \cdot 20}$ $= \pm \frac{2}{7}\sqrt{35}$