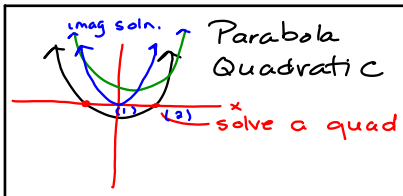


Parabola
Quadratic

solve a quad

Aug 2-9:27 AM

Solving sq. root method

$2^2=4$
$(-2)^2=4$

1. $x^2+4=0$
$-4 \quad -4$
$\sqrt{x^2}=\sqrt{-4}$
$x=\pm 2i$

Aug 2-9:31 AM

② $\frac{1}{2}x^2+3=12$
$-3 \quad -3$
$(2)\ \frac{1}{2}x^2=9\ (2)$
$\sqrt{x^2}=\sqrt{18}$
$x=\pm 3\sqrt{2}$

4
9
16
25

Aug 2-9:34 AM

③ $2(x^2-5)=-x^2-1$
$+2x^2-10 \quad +10 \quad +x^2 \quad +10$
$\frac{3x^2}{3}=\frac{9}{3}$
$\sqrt{x^2}=\sqrt{3}$
$x=\pm\sqrt{3}$

Aug 2-9:37 AM

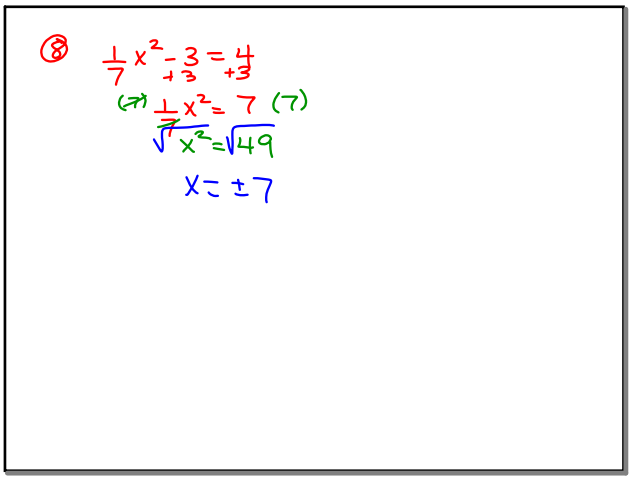
④ $\frac{1}{3}(x+4)^2-1=5$
$+1 \quad +1$
$3\cdot\frac{1}{3}(x+4)^2=6\cdot 3$
$\sqrt{(x+4)^2}=\sqrt{18}$
$x+4=\pm 3\sqrt{2}$
$-4 \quad -4$
$x=\pm 3\sqrt{2}-4$
$-4\pm 3\sqrt{2}$

Aug 2-9:40 AM

① $-\frac{3}{5}x^2-2=-5$
$+2 \quad +2$
$(-\frac{5}{3})-\frac{3}{5}x^2=-3(-\frac{5}{3})$
$\sqrt{x^2}=\frac{15}{3}=\sqrt{5}$
$x=\pm\sqrt{5}$

$\frac{3}{5}(-\frac{5}{3})$
$-\frac{3}{3}x^2=\frac{15}{3}$
$x^2=5$

Aug 2-9:44 AM



Aug 2-9:47 AM