

Due in before 8th May.

Complete the worksheet, take a photo and email it to johnkennedy@brillantmont.ch

Name…………………………………………………………………

Simplify these expressions:

1. $\sqrt{-49}$
2. $\sqrt{-121}$
3. $\sqrt{-900}$
4. $\sqrt{-17}$
5. $\sqrt{-81}×i$

Solve these equations using the quadratic formula. They may have real or complex roots.

$$x=\frac{-b\pm \sqrt{b^{2}-4ac}}{2a}$$

1. $x^{2}+11x-30$

$$a=$$

$$b=$$

$$c=$$

1. $x^{2}-4x+5$

$$a=$$

$$b=$$

$$c=$$

1. $x^{2}-6x+13$

$$a=$$

$$b=$$

$$c=$$

1. $x^{2}-11x+28$

$$a=$$

$$b=$$

$$c=$$

1. $x^{2}-2x+17$

$$a=$$

$$b=$$

$$c=$$

1. $x^{2}-10x+89$

$$a=$$

$$b=$$

$$c=$$

1. $3x^{2}-6x+51$

$$a=$$

$$b=$$

$$c=$$

1. $2x^{2}+3x-14$

$$a=$$

$$b=$$

$$c=$$

1. $5x^{2}-50x+250$

$$a=$$

$$b=$$

$$c=$$