

April 21, 2015

$(-5, 4) \neq (6, -8)$

- ① find eq. in s.f.
- ② Parallel eq $(-2, 3)$ } $m = -\frac{12}{11}$
- ③ Perp. " $m = \frac{11}{12}$

Apr 21-9:58 AM

$$i^{-19} = \frac{1}{i^{19}} = \frac{1}{(i^4)^4 \cdot i^3}$$

$$\frac{19}{4} = 4r3$$

$$= \frac{1}{1 \cdot (-i) \cdot i} = \frac{1}{-i}$$

$$= -\frac{1}{i} \cdot \frac{i}{i}$$

$$= \frac{-i}{-i^2} = \frac{-i}{(-1) \cdot (-1)} = \frac{-i}{1}$$

$$= -i$$

Apr 21-10:39 AM

$$x^2 - 6x = -10$$

$$-c \cdot \frac{1}{2} = -3$$

$$(-3)^2 = 9$$

$$x^2 - 6x + 9 = -10 + 9$$

$$(x - 3)^2 = -1$$

$$x - 3 = \pm i$$

$$x = 3 \pm i$$

$a = 1$
 $b = -6$
 $c = 10$
 $b^2 - 4ac$
 $(-6)^2 - 4(1)(10)$
 $36 - 40$
 $= -4$

Apr 21-10:48 AM

$$x^2 - 6x = -10$$

$$x^2 - 6x + 10 = 0$$

$$x = \frac{-(-6) \pm \sqrt{-4}}{2}$$

$$= \frac{6 \pm 2i}{2}$$

$$= \frac{6}{2} \pm \frac{2}{2}i$$

$$= 3 \pm i$$

$a = 1$
 $b = -6$
 $c = 10$

Apr 21-10:51 AM