(n) $m = \frac{(12)-(4)}{(10)-(3)}$ $(3,4)$ $(10,12)$
$x_1\ y_1$ $x_2\ y_2$

$m = \frac{8}{7}$

$d = \sqrt{((3)-(10))^2 + ((4)-(12))^2}$

$\sqrt{(-7)^2 + (-8)^2}$

$\sqrt{49+64} = \sqrt{113} \approx 10.6$

$(5,-8)$ $(8,-3)$
$x_1\ y_1$ $x_2\ y_2$

$m = \frac{(-3)-(-8)}{(8)-(5)} = \frac{-3+8}{3} = \frac{5}{3}$

$d = \sqrt{((5)-(8))^2 + ((-8)-(-3))^2}$

$d = \sqrt{(-3)^2 + (-5)^2}$

$\sqrt{9+25} = \sqrt{34} \approx 5.83$

(o) $0 = x^2 - x + 20$
$a=1\ \ b=-1\ \ c=20$

$\frac{-(-1) \pm \sqrt{(-1)^2 - 4(1)(20)}}{2(1)}$

$\frac{1 \pm \sqrt{1+80}}{2} = \frac{1 \pm \sqrt{81}}{2}$

$\frac{1 \pm 9}{2}$ $\frac{1+9}{2} = 5$

$\frac{1-9}{2} = -4$

$0 = x^2 - 9$
$a=1\ \ b=0\ \ c=-9$

$\frac{-0 \pm \sqrt{0^2 - 4(1)(-9)}}{2(1)}$

$\frac{\pm\sqrt{36}}{2} = \frac{\pm 6}{2}$

$3, -3$