1.	<i>x</i> = 5
2.	x = 4 and $x = 2$
3.	x = 2 and $x = -4$
4.	$x = \pm \frac{\sqrt{15}}{\sqrt{2}}$ or $\pm \frac{\sqrt{30}}{2}$; square roots; The equation can be
	written in the form $u^2 = d$.
5.	$x = 1$ and $x = -\frac{2}{3}$; factoring; The equation can be factored.
6.	$x = -3 \pm 2\sqrt{2}$; square roots; The equation can be written in the form $u^2 = d$.
7	x = 2 and $y = -6$
··	x = 2 and $y = -0$
8.	-2 + 8i
9.	2 + 16 <i>i</i>
10.	. 14 — 22 <i>i</i>
11.	$\pm i \frac{\sqrt{2}}{2}$; no: The zeros are imaginary, so the graph of the

11. $\pm i \frac{\sqrt{2}}{3}$; no; The zeros are imaginary, so the graph of the function does not intersect the *x*-axis.

12.	$x = 3 \pm i$
13.	$x = -6 \pm 4\sqrt{2}$
14.	$x = -3 \pm i$
15.	$y = (x - 5)^2 - 21; (5, -21)$
16.	a. 600 ft ²
	b. $1064 = (30 + x)(20 + x)$
	c. 8 ft
17.	(7+3i) ohms
18.	a. 20 ft
	b. about 2.12 sec