

1. $y = -19$
2. $n = -8$
3. $t = 12\pi$
4. $x = 35; 40^\circ, 105^\circ, 35^\circ$
5. $x = 120; 60^\circ, 120^\circ, 120^\circ, 60^\circ$
6. $x = 135; 90^\circ, 135^\circ, 90^\circ, 135^\circ, 90^\circ$
7. $m = 6$
8. $p = 0.4$
9. $n = -19$
10. no solution
11. no solution
12. infinitely many solutions
13. $y = -\frac{1}{6}x + \frac{4}{3}$
14. $y = 2x - 3$
15. $y = -\frac{1}{2}x + 2$
16. a. $K = \frac{5}{9}(F - 32) + 273.15$
b. about 388.71 K

17. a. $A = \frac{1}{2}h(b + B)$

b. $h = \frac{2A}{b + B}$

c. $h = 6 \text{ cm}$