

Solve the equation. Check your solution. (Section 1.1)

1. $-\frac{1}{2} = y - 1$

2. $-3\pi + w = 2\pi$

3. $1.2m = 0.6$

4. $q + 2.7 = -0.9$

Solve the equation. Check your solution. (Section 1.2)

5. $-4k + 17 = 1$

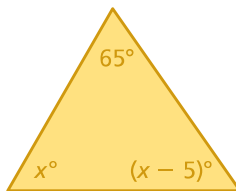
6. $\frac{1}{4}z + 8 = 12$

7. $-3(2n + 1) + 7 = -5$

8. $2.5(t - 2) - 6 = 9$

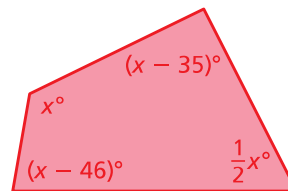
Find the value of x . Then find the angle measures of the polygon. (Section 1.2)

9.



Sum of angle
measures: 180°

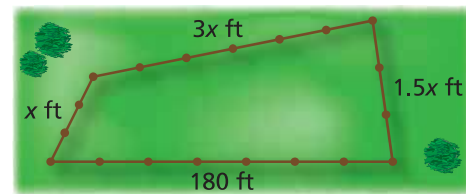
10.



Sum of angle
measures: 360°

11. **JEWELER** The equation $P = 2.5m + 35$ represents the price P (in dollars) of a bracelet, where m is the cost of the materials (in dollars). The price of a bracelet is \$115. What is the cost of the materials? (Section 1.2)

12. **PASTURE** A 455-foot fence encloses a pasture. What is the length of each side of the pasture? (Section 1.2)



13. **POSTERS** A machine prints 230 movie posters each hour. Write and solve an equation to find the number of hours it takes the machine to print 1265 posters. (Section 1.1)

14. **BASKETBALL** Use the table to write and solve an equation to find the number of points p you need to score in the fourth game so that the mean number of points is 20. (Section 1.2)

Game	Points
1	25
2	15
3	18
4	p