

1.1–1.3 Quiz



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

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

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

3. $1.2m = 0.6$

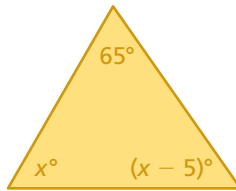
Solve the equation. Check your solution. (Section 1.2)

4. $-4k + 17 = 1$

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

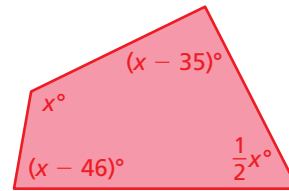
Find the value of x . Then find the angle measures of the polygon. (Section 1.2)

6.



Sum of angle measures: 180°

7.



Sum of angle measures: 360°

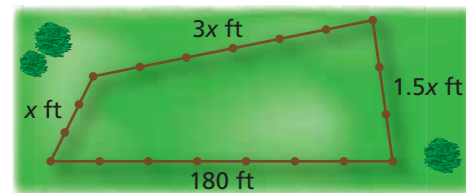
Solve the equation. Check your solution. (Section 1.3)

8. $2(x + 4) = -5x + 1$

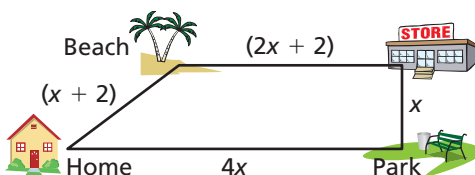
9. $\frac{1}{2}s = 4s - 21$

10. **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)

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



12. **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)



13. **ROUTES** From your home, the route to the store that passes the beach is 2 miles shorter than the route to the store that passes the park. What is the length of each route? (Section 1.3)