7.G.5: Worksheet

Solutions

- 1. Write an equation for an angle x that's supplementary to a 47° angle. What is x? x+47=180, so x=133
- 2. Write an equation for two angles, x and y, that are complementary. x + y = 90
- 3. A pair of adjacent angles form a 126° angle together. If one of them is 66°, set up and solve an equation to find the other. x + 66 = 126, so x = 60
- 4. What angle is complementary to 30.5° ? 59.5°
- 5. What angle is supplementary to 174.2° ? 5.8°

Use the following figure to answer questions 6-8.

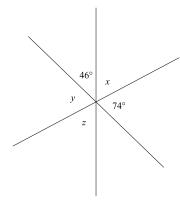
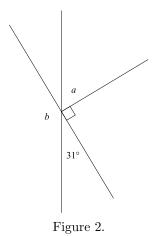


Figure 1.

- 6. Write and solve an equation to find angle x. 46 + x + 74 = 180, so x = 60
- 7. What is the measure of angle y? 74°
- 8. What is the measure of angle z? 60°

Use the following figure to answer questions 9-10.



- 9. What's the measure of angle a? 59°
- 10. What's the measure of angle b? 149°

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