

Complementary and Supplementary Angles - Practice Worksheet

Name: _____ Date: _____

Instructions: Find the missing angle in each problem. State whether the angle pair is complementary (sum = 90 deg) or supplementary (sum = 180 deg), then solve.

1. Angles A and B are complementary. Angle A = 30 deg. Find angle B.
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2. Angles P and Q are supplementary. Angle P = 120 deg. Find angle Q.
.....
3. Two complementary angles are equal. Find each angle.
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4. Angles X and Y are supplementary. Angle X = 3 * angle Y. Find both angles.
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5. Find the complement of 67 deg.
.....
6. Find the supplement of 43 deg.
.....
7. Angles M and N are complementary. Angle M = $(2x + 10)$ deg and angle N = $(3x)$ deg. Find x and both angles.
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8. Angles C and D are supplementary. Angle C = $(5x - 20)$ deg and angle D = $(3x + 8)$ deg. Find x and both angles.
.....
9. An angle is 18 deg more than its complement. Find both angles.
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10. An angle is 40 deg less than three times its supplement. Find the angle.
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Answer Key

1. 60 deg
2. 60 deg
3. 45 deg
4. Angle X = 135 deg, Angle Y = 45 deg
5. 23 deg
6. 137 deg
7. $x = 16$; Angle M = 42 deg, Angle N = 48 deg
8. $x = 24$; Angle C = 100 deg, Angle D = 80 deg
9. 54 deg and 36 deg
10. 130 deg

