

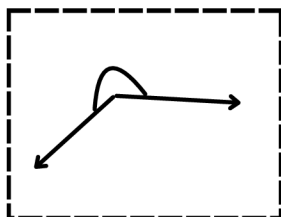
# Lines and Angles Worksheet 2

Topic: Types of Angles, Complement, Supplement

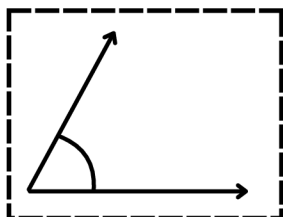
perfectworksheet.com

Acute, Right, Obtuse,  
Straight, Reflex, Complete

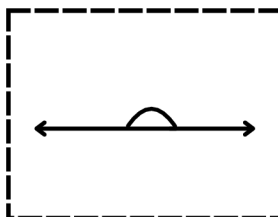
1. Write the names of the angles given below.



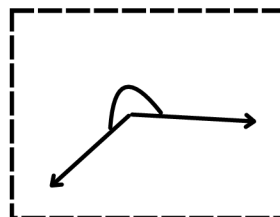
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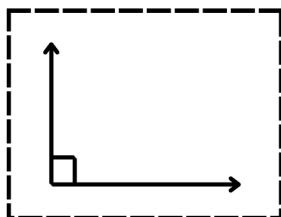
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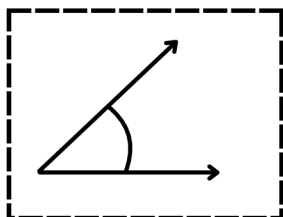
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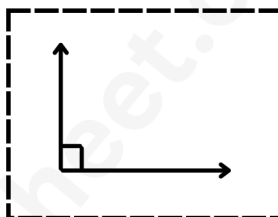
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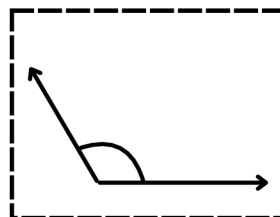
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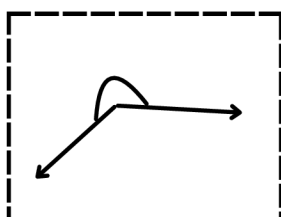
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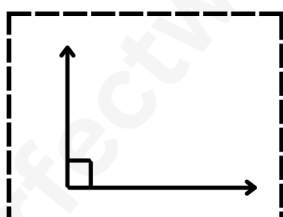
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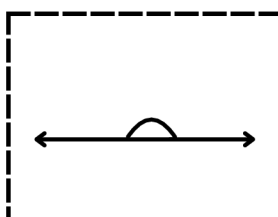
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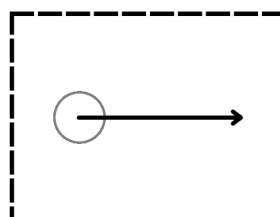
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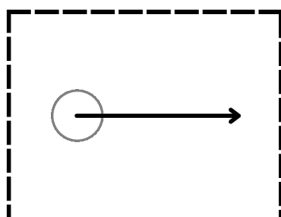
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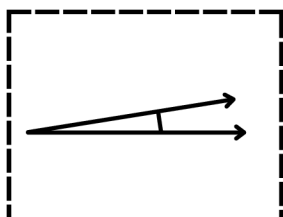
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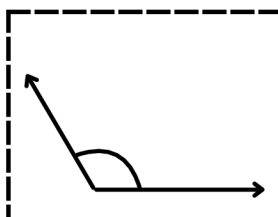
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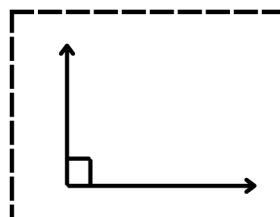
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**2. Identify the complementary and supplementary angles from the given options and write their names.**

(10°, 170°) _____	(87°, 93°) _____
(41°, 49°) _____	(33°, 57°) _____
(22°, 68°) _____	(103°, 77°) _____
(42°, 138°) _____	(120°, 60°) _____
(75°, 105°) _____	(2°, 88°) _____
(15°, 75°) _____	(53°, 37°) _____
(13°, 77°) _____	(144°, 36°) _____
(46°, 134°) _____	(60°, 120°) _____

**3. Find the measure of an angle which is 24° more than its complement.**

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**4. Find the measure of an angle which is 78° less than its complement.**

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5. Find the angle which is seventeen times its supplement.

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6. Find the angle which is nine times its complement.

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7. The supplement of an angle is one third of the given angle. Find the measures of the given angle and its supplement.

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8. Find the measure of an angle, if seven times its complement is  $10^\circ$  less than three times its supplement.

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9. If the complement of an angle is equal to the thrice of the supplement. Find the measure of the angle.

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10. Find the value of  $x$  for which the angles  $(3x - 5)^\circ$  and  $(2x - 15)^\circ$  are the complementary angles.

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