9-2 Complementary and Supplementary Angles

Objectives:

- Students will be able to define angle properties and use them to solve for missing information.

Vocabulary

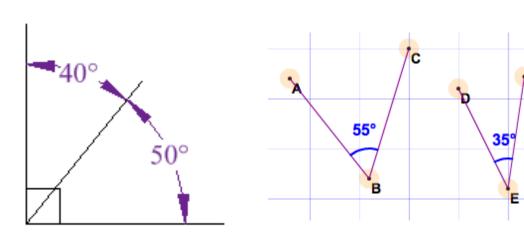
Supplementary:

Complementary:

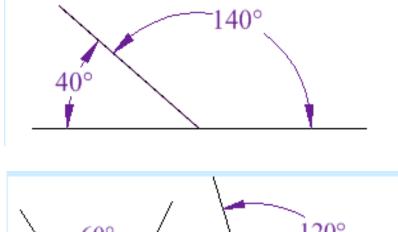


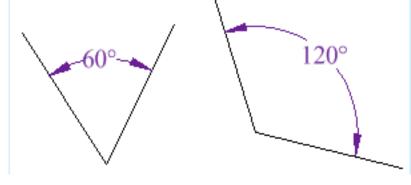
Two Angles are **Complementary** when:

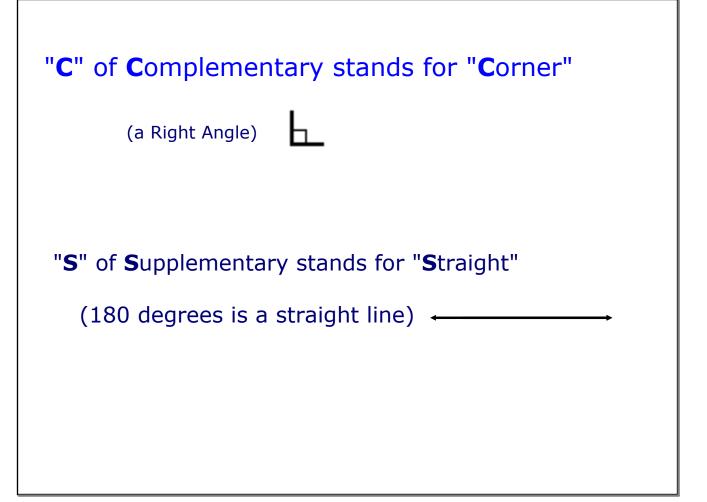
They add up to 90 degrees (a Right Angle).



Two Angles are **supplementary** when: They add up to 180 degrees.

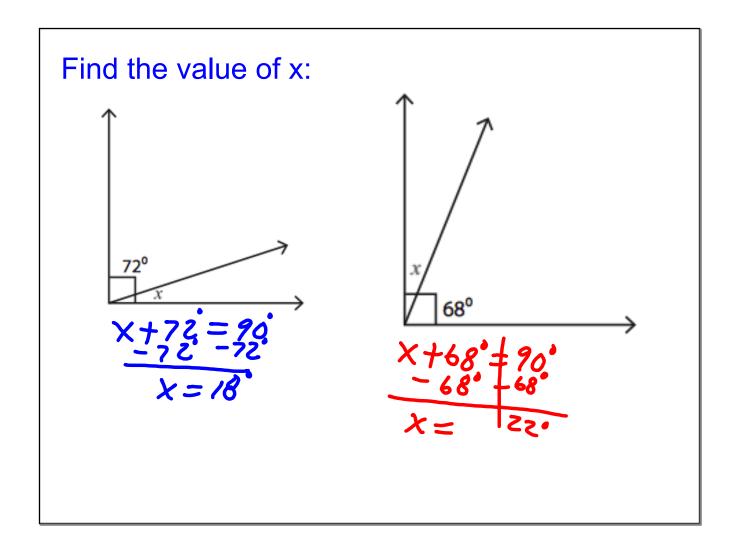


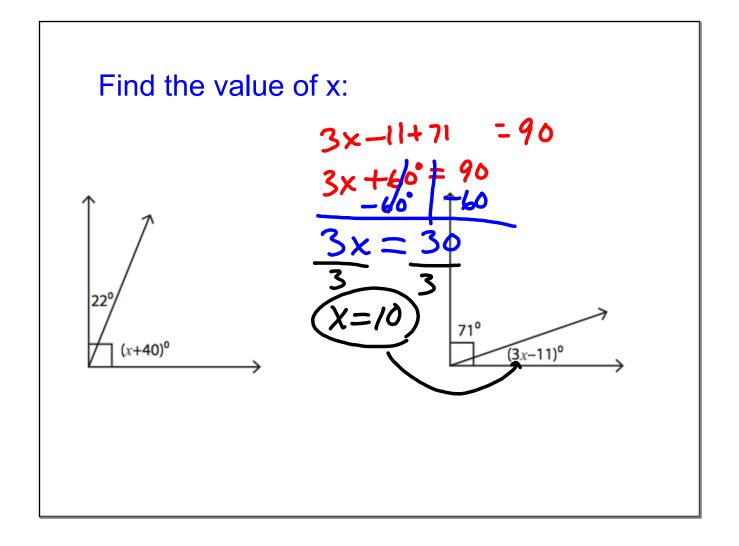


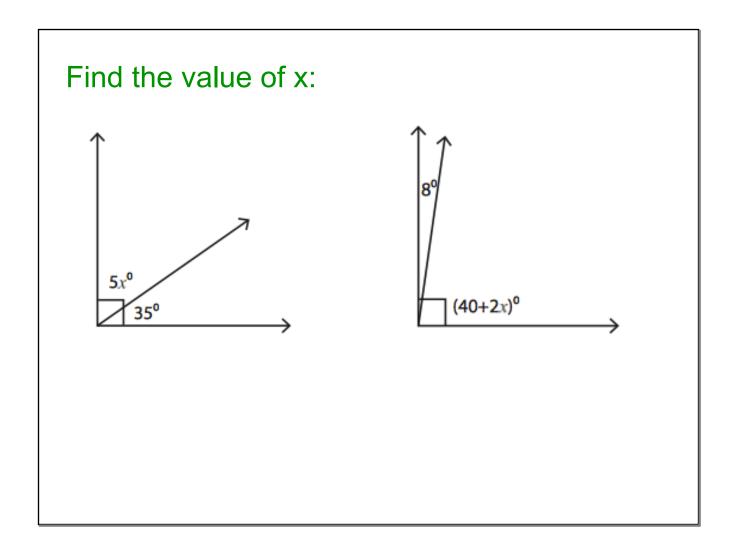


Angle	Complement
20°	70°
56°	34°
72°	18°
44°	46°
35°	220
87°	3*

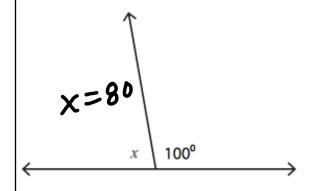
Angle	Supplement
125°	65
37°	
111°	69°
152°	
95°	850
64 ⁰	







Find the value of x:



$$2x+6+34=180$$
 $2x+6+34=180$
 $2x+40=180$
 $-40=40$
 $(2x+6)^{0}$
 34^{0}
 $2x-140$



