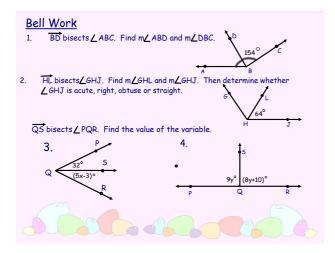
2.3 Complementary and Supplementary Angles.notebook





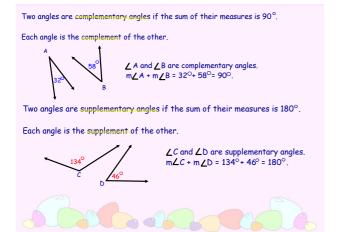
2.3 Complementary and Supplementary Angles

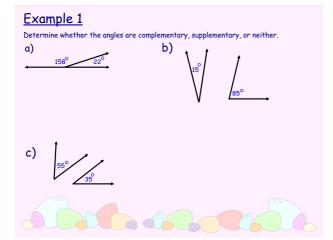
In this lesson, you will learn to:

-- Find measures of complementary and supplementary angles.



2.3 Complementary and Supplementary Angles.notebook



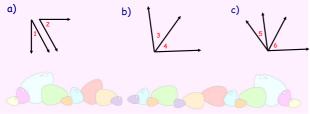


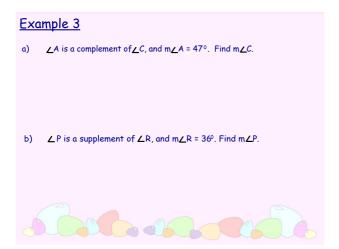
Two angles are ${\rm adjacent}$ angles if they share a common vertex and side, but have no common interior points.



<u>Example 2</u>

Tell whether the numbered angles are adjacent or nonadjacent.





A theorem is a true statement that follows from other true statements. Theorems 2.1 and 2.2

If two angles are complementary to the same angle, then they are congruent.

2.1 Congruent Complements Theorem

If $m \perp 1 + m \perp 2 = 90^{\circ}$ and $m \perp 2 + m \perp 3 = 90^{\circ}$, then $\perp 1 \cong \perp 3$.

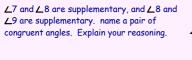
2.2 Congruent Supplements Theorem

If two angles are supplementary to the same angle, then they are congruent.

If $m \checkmark 4 + m \checkmark 5 = 180^{\circ}$ and $m \checkmark 5 + m \checkmark 6 = 180^{\circ}$, then $\checkmark 4 \cong \checkmark 6$.



Example 4





2.3 Complementary and Supplementary Angles.notebook





