

1 How are a pair of complementary angles and a pair of supplementary angles different from each other?

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2 Can vertical angles be supplementary angles? Explain.

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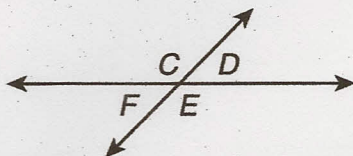
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3 What is the first step when trying to find a missing angle measure?

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Use the figure below to answer Numbers 4–7.



4 Name the supplementary angle pairs. \_\_\_\_\_

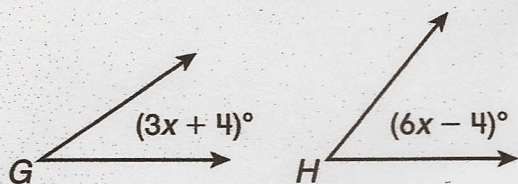
5 Name the vertical angle pairs. \_\_\_\_\_

6 If  $\angle E$  measures  $125^\circ$ , what is the measure of  $\angle F$ ? \_\_\_\_\_

7 If  $\angle D$  measures  $(2x)^\circ$  and  $\angle F$  measures  $(x + 30)^\circ$ , what is the value of  $x$ ?

- A 30                      B 45                      C 60                      D 90

8 In the diagram,  $\angle G$  and  $\angle H$  are complementary. What is the measure of  $\angle H$ ?



- A 10                      B  $34^\circ$                       C  $56^\circ$                       D  $64^\circ$