Name: _____   Date: _____
Geometry: Parallel Lines and Angles Worksheet   Mills
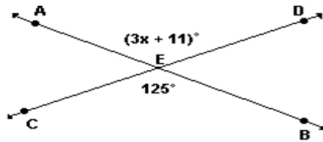
Complete each question. To get full credit, show all of your work, including your work for the
multiple choice questions.

1. The ratio of the measures of two complementary angles is 5:4. What is the measure of the
larger angle?

  A.   20
  B.   40
  C.   50
  D.   90

2. In the diagram, lines AB and CD intersect at E. If $m\angle AED = 3x + 11$ and $m\angle CEB = 125$,
find x.

  A.   19
  B.   38
  C.   42
  D.   55

3. If two angles are supplementary and one angle is twice as large and the other, find the number
of degrees in the measure of the smaller angle.

  A.   30
  B.   90
  C.   60
  D.   120

4. Two angles are complementary. If the measure of one angle is 20° more than the measure of
the second angle, what is the number of degrees in the measure of the smaller angle?

  A.   35
  B.   55
  C.   80
  D.   100