Name: _____   Date: _____

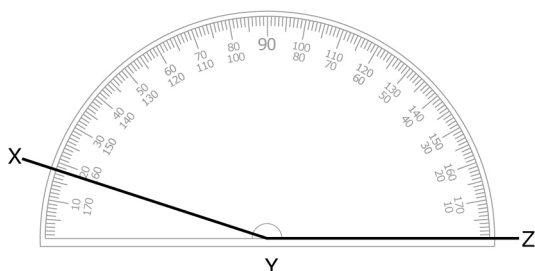# Section 1.1 Extra Practice

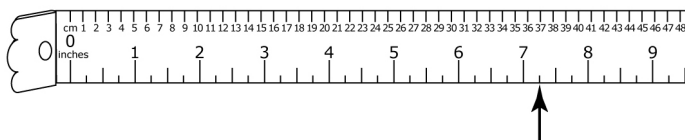**1.** Identify whether each angle measure is accurate.
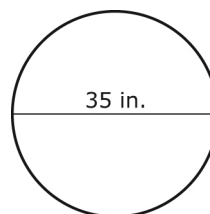
a)
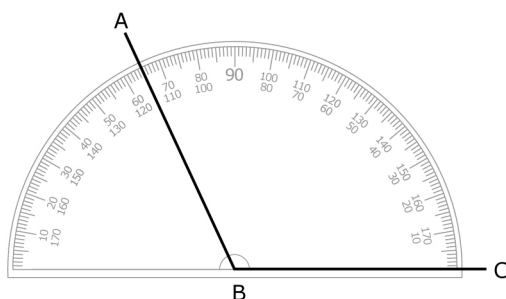
∠ABC = 115°

b)

∠XYZ = 18°

2. Explain why saying ∠XYZ in #1b equals 160° can be accurate.

3. Which is an accurate location of the arrow?

A 7.25 cm

B $7\frac{1}{6}$ in.

C $7\frac{1}{4}$ in.

4. In #3, explain why the other two given measurements are not accurate.

5. Craig says the radius of the table top is 35 inches. Explain why his measurement in not accurate.

35 in.

6. Measure the following lines. State the length of each line to the nearest half inch.

a) —

b) ——

c) ———

d) ————

7. a) Remeasure the length of each line in #6 to the nearest eighth of an inch.

   b) State the length of each line to the nearest centimetre.

   c) State the length of each line to the nearest 0.1 cm.

8. Marcus times his 400-m practice freestyle swim on his wristwatch at 7:31. At the swim meet, the official time for his 400-m freestyle was 7:15.68.

   a) Which time was measured with greater precision?
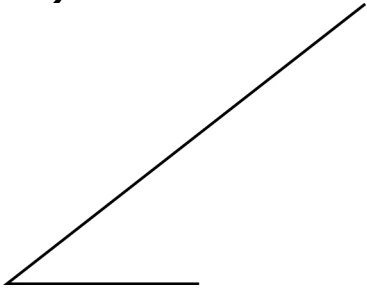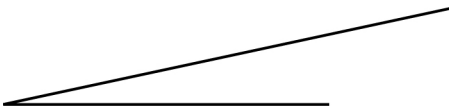
   b) Explain how both times could be accurate.

9. Measure the following angles.
State each measure to the
nearest 5°.

a)

b)

c)

d)

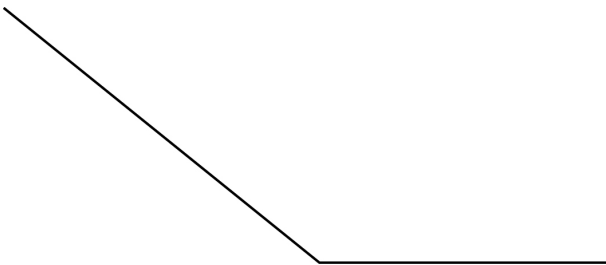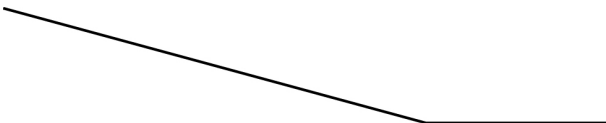**10.** Remeasure the angles from #9.
State each measure to the
nearest degree.

11. Karen's height is $4'\ 9\frac{3}{4}''$.

a) Round her height to the
nearest inch.

b) Round her height to the
nearest foot.

c) Do you think it is okay for
Karen to tell people that her
height is the answer to
part a)? Explain.

d) Do you think it is okay for
Karen to tell people that
her height is the answer to
part b)? Explain.