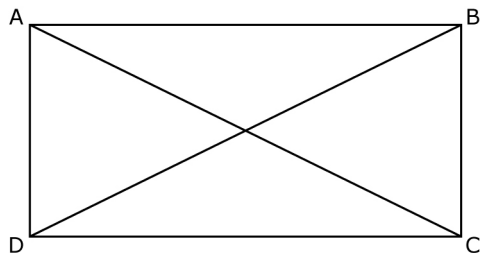


Section 5.2 Extra Practice

1. Determine the unknown measurements.

a) rectangle



$$AB = 12 \text{ cm}$$

$$AC =$$

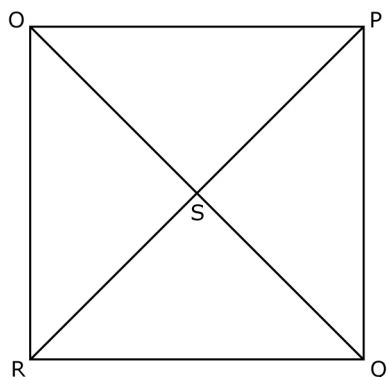
$$AD = 5 \text{ cm}$$

$$BC =$$

$$BD = 13 \text{ cm}$$

$$CD =$$

b) square



$$OP = 7.1$$

$$OQ = 10$$

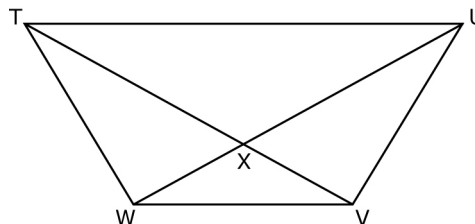
$$PQ =$$

$$PR =$$

$$\angle PQR =$$

$$\angle PSR =$$

c) isosceles trapezoid



$$TW = 5$$

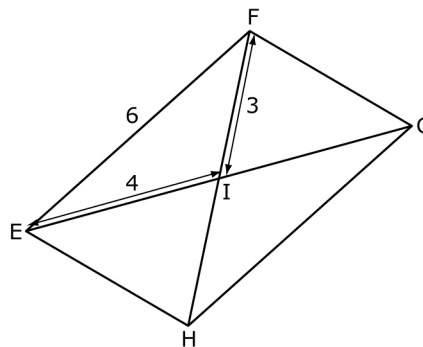
$$UV =$$

$$\angle TXU = 110^\circ$$

$$\angle WXV =$$

$$\angle TXU + \angle UXV + \angle V X W + \angle W X T =$$

d) parallelogram



$$IG =$$

$$EG =$$

$$GH =$$

$$IH =$$

2. For each statement, state whether it is true or false.

a) A rectangle has equal diagonals.

b) An isosceles trapezoid has four equal side lengths.

c) A square has at least one set of parallel lines.

d) A parallelogram has no two sides equal.



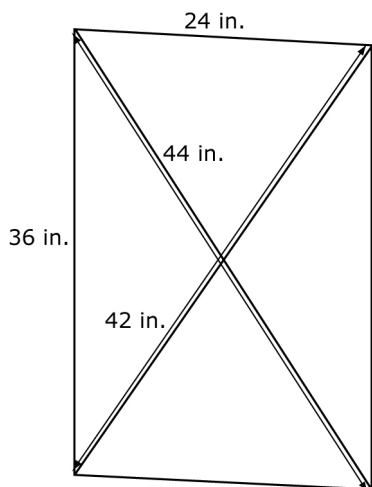
Name: _____

Date: _____

BLM 5-8

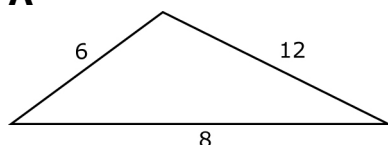
(continued)

- 3.** Kim built a window frame and measures to check if it is a rectangle. Is the window frame rectangular? Explain.

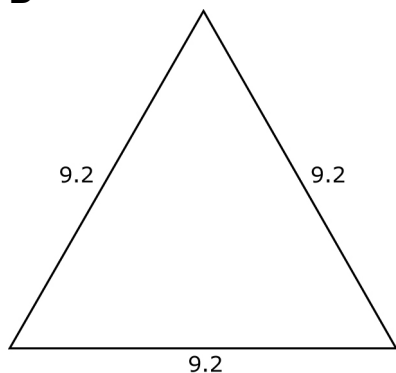


- 4.** Which triangle has side lengths that are labelled correctly?

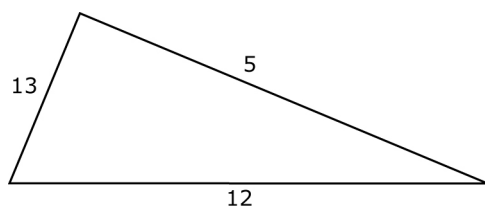
A



B

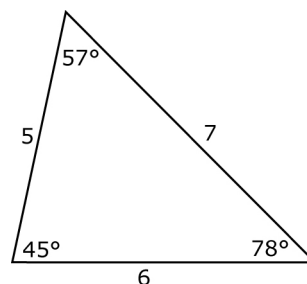


C

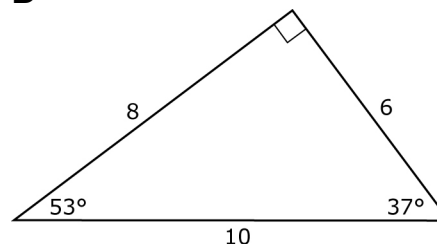


- 5.** Which triangle has angle measures that are labelled correctly?

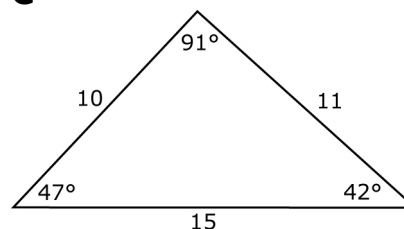
A



B



C



- 6.** For each incorrect triangle in #4 and #5, copy the triangle and move the labels so that they are correct.

- 7. a)** Draw a triangle labelled with side lengths and angle measures that are not possible.
b) Exchange triangles with a partner. Correct the labels on your partner's triangle so that it is possible.

