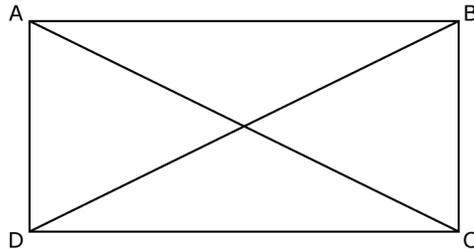


Section 5.2 Extra Practice

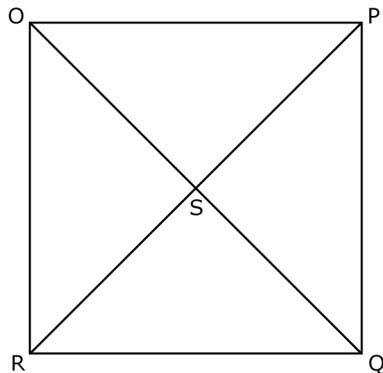
1. Determine the unknown measurements.

a) rectangle



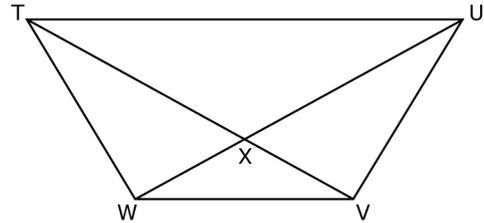
- AB = 12 cm
- AC =
- AD = 5 cm
- BC =
- BD = 13 cm
- CD =

b) square



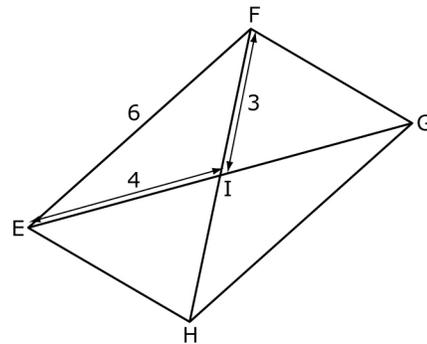
- OP = 7.1
- OQ = 10
- PQ =
- PR =
- $\angle PQR =$
- $\angle PSR =$

c) isosceles trapezoid



- TW = 5
- UV =
- $\angle TXU = 110^\circ$
- $\angle WXV =$
- $\angle TXU + \angle UXV + \angle VXW + \angle WXT =$

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.

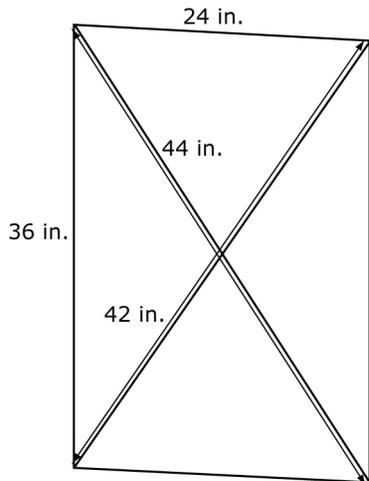


Name: _____

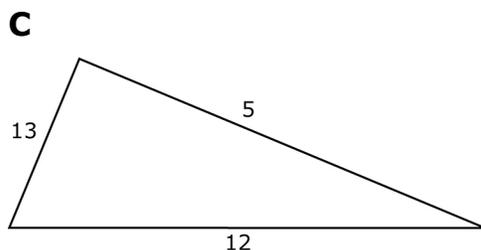
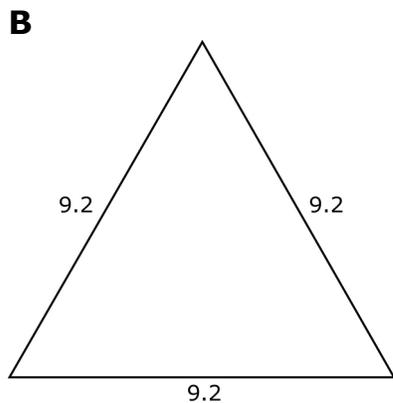
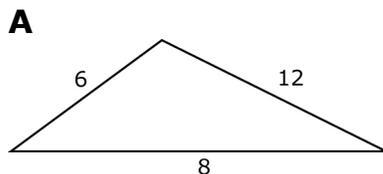
Date: _____

BLM 5-8
(continued)

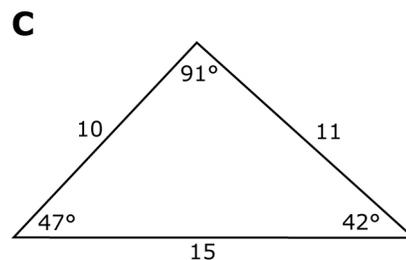
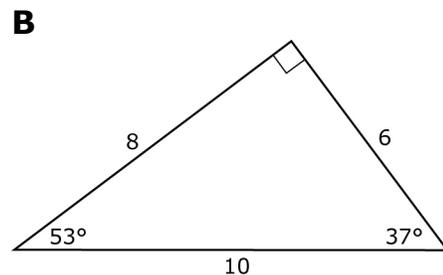
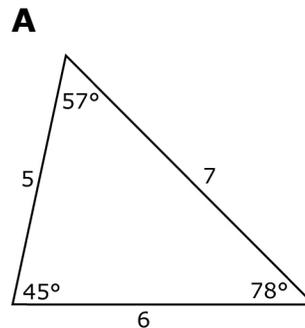
- 3.** Kim built a window frame and measures to check if it is a rectangle. Is the window frame rectangular? Explain.



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



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



- 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.

