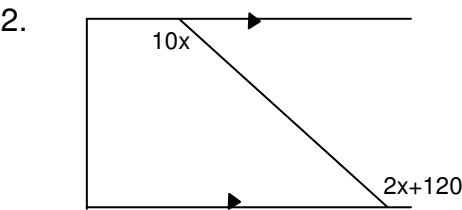
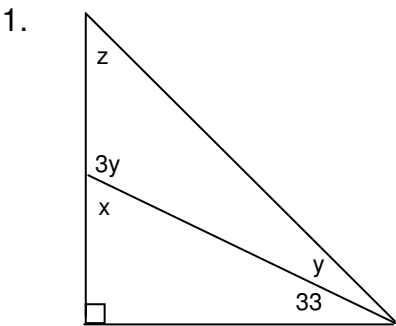


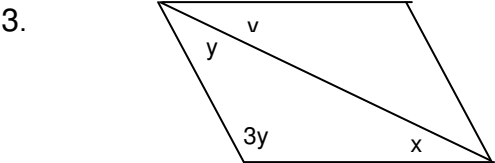
Geometry
 Chapter 3-4 Worksheet
 Find the value for the variable(s)

Name _____

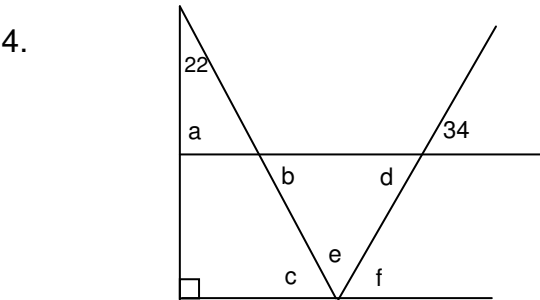


$x =$ _____ $y =$ _____ $z =$ _____

$x =$ _____



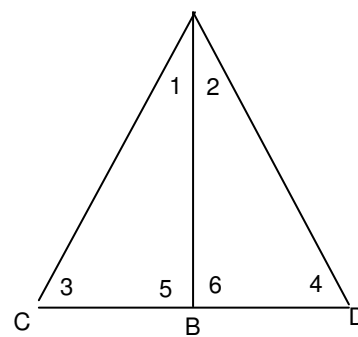
$x =$ _____ $y =$ _____



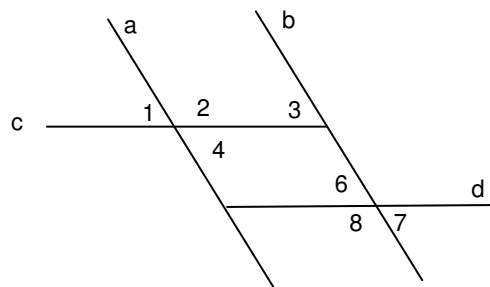
$a =$ _____ $b =$ _____ $c =$ _____ $d =$ _____ $e =$ _____ $f =$ _____

Proofs

5. Given: $\overrightarrow{AB} \perp \overrightarrow{CD}$, $\angle 3 \cong \angle 4$
 Prove: $\overrightarrow{AB}$ bisects $\angle CAD$



6. Given: $a \parallel b$, $c \parallel d$
 Prove: $\angle 1 \cong \angle 7$



Answers:

1. $x = 57$ $y = 41$ $z = 16$

2. $x = 15$

3. $x = 36$ $y = 36$

4. a) 90 b) 58 c) 58 d) 34 e) 88 f) 34

5.

Given

If 2 lines perp they form congruent adjacent angles

Reflexive

AAS

CPCTC

6.

Given

PCAC

PCAC

VAT

Transitive