Name: _____

1. Calculate the unknown angles.
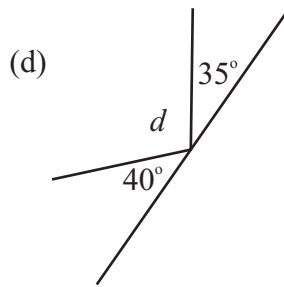
(a)

50°

a

$a =$

(b)

b

40°

$b =$

(c)

110°   c

$c =$

(d)

35°

d

40°

$d =$

(e)

m

n   42°

$m =$

$n =$

(f)

135°

p

q

$p =$

$q =$

(g)

g g g
g   g

$g =$

(h)

125°

h

35°
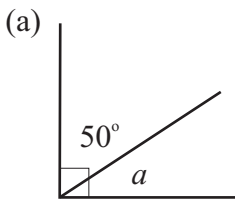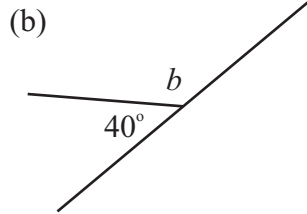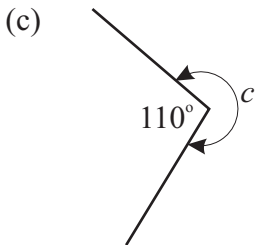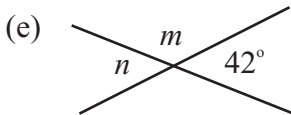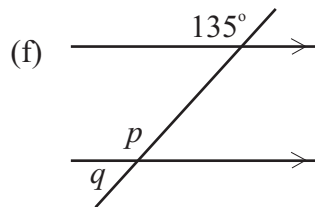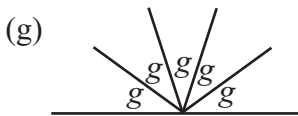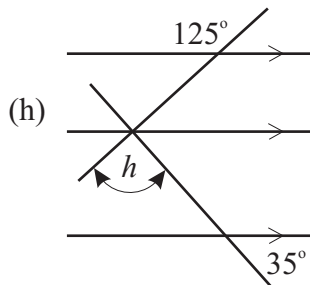
$h =$

2. Rearrange the letters NIGHT GLARE to form the name of a 90° angle.

__ __ __ __ __   __ __ __ __ __

3. Complete the following sentences.
(a) ACUTE angles are between ____° and ____°.

(b) ___ ___ ___ ___ ___ ___ angles are between 180° and 360°.

(c) Angles between 90° and 180° are called

__ __ __ __ __ __ angles.

4. (a) Calculate the acute angle between the hands of a clock at 1:00.

(b) Calculate the reflex angle formed by the hands of a clock at 4:00.

(c) Calculate the angle the minute hand of a clock moves through in one minute.

5. In a large city, one third of the people caught a train to work, one quarter caught a tram, one fifth drove a car, one eighth caught a bus and the rest rode a bike.
If this information was to be displayed on a pie graph, calculate the angle that would represent each form of transport and list these angles in this table. Use a protractor to accurately draw the pie graph below.

Transport	Angle
Train	
Tram	
Car	
Bus	
Bike	