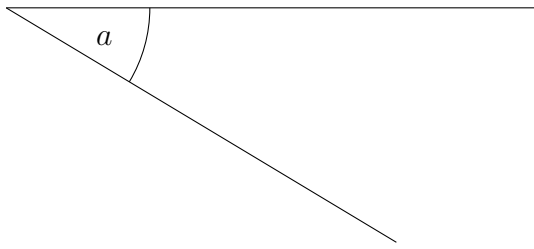
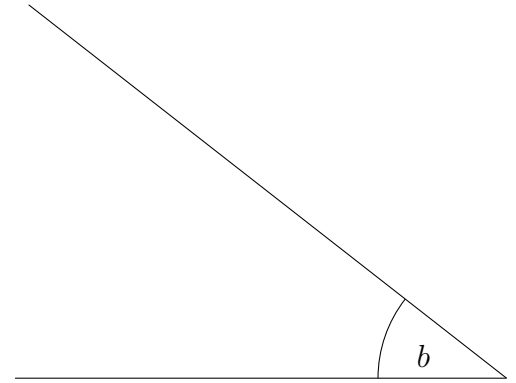


1. Measure the size of the angles marked  $a$  and  $b$ .

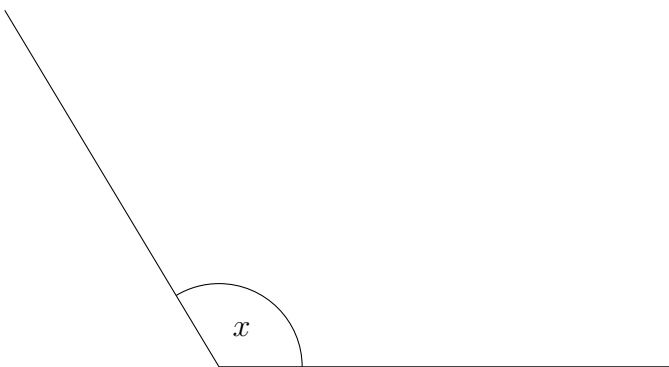


$a = \dots\dots^\circ$

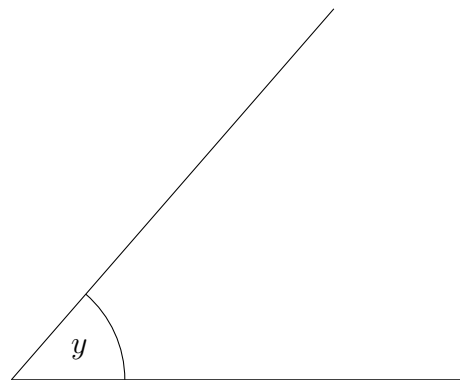


$b = \dots\dots^\circ$

2. Measure the size of the angle marked  $x$  and  $y$ .

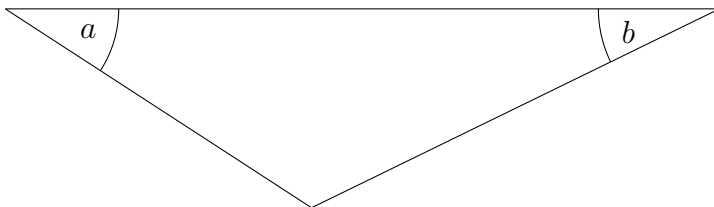


$x = \dots\dots^\circ$



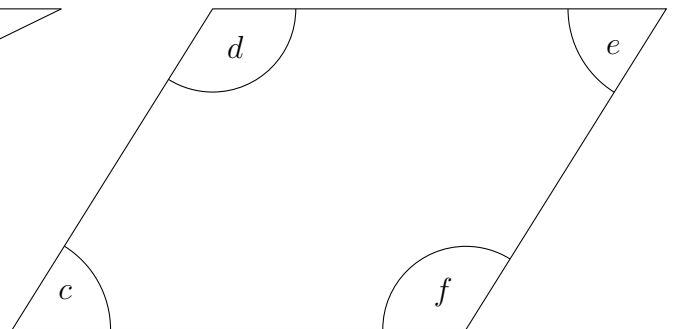
$y = \dots\dots^\circ$

3. Measure the sizes of the angles  $a, b, c, d, e, f, p, q, x$  and  $y$ .



$a = \dots\dots^\circ$

$b = \dots\dots^\circ$



$c = \dots\dots^\circ$

$d = \dots\dots^\circ$

$e = \dots\dots^\circ$

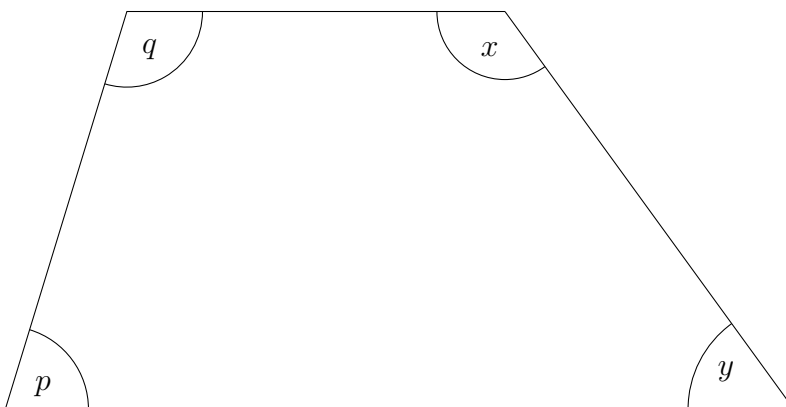
$f = \dots\dots^\circ$

$p = \dots\dots^\circ$

$q = \dots\dots^\circ$

$x = \dots\dots^\circ$

$y = \dots\dots^\circ$



Answers 1a) 31, b) 38 2a) 121, b) 49

3)  $a = 33, b = 26, c = 58, d = 122, e = 58, f = 122, p = 73, q = 107, x = 126, y = 54$