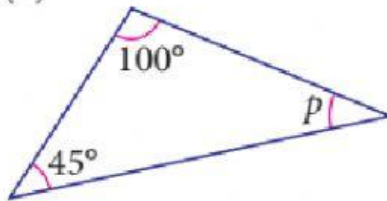


Latih Diri 9.2b

1. Cari nilai p dalam setiap segi tiga yang berikut.

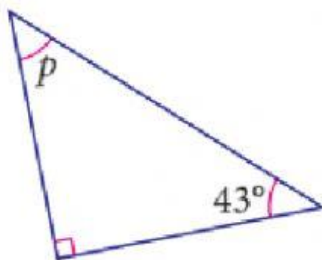
(a)



$$\begin{aligned} 45^\circ + 100^\circ + p &= 180^\circ \\ p + p &= 180^\circ - 145^\circ \\ p &= 180^\circ - 145^\circ \\ p &= 35^\circ \end{aligned}$$

Hasil tambah
sudut pedalaman
suatu segi tiga

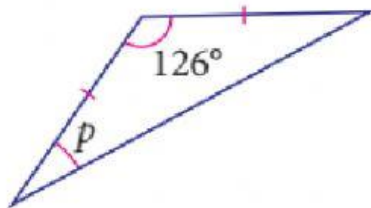
(b)



$$\begin{aligned} 90^\circ + 43^\circ + p &= 180^\circ \\ p + p &= 180^\circ - 133^\circ \\ p &= 180^\circ - 133^\circ \\ p &= 47^\circ \end{aligned}$$

Hasil tambah
sudut pedalaman
suatu segi tiga

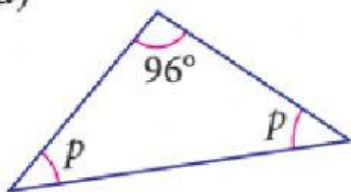
(c)



$$\begin{aligned} 126^\circ + p + p &= 180^\circ \\ 126^\circ + 2p &= 180^\circ \\ 2p &= 180^\circ - 126^\circ \\ 2p &= 54^\circ \\ p &= \frac{54^\circ}{2} \\ p &= 27^\circ \end{aligned}$$

Hasil tambah
sudut pedalaman
suatu segi tiga

(d)

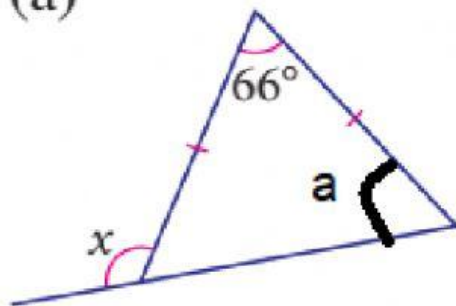


$$\begin{aligned} 96^\circ + p + p &= 180^\circ \\ 96^\circ + 2p &= 180^\circ \\ 2p &= 180^\circ - 96^\circ \\ 2p &= 84^\circ \\ p &= \frac{84^\circ}{2} \\ p &= 42^\circ \end{aligned}$$

Hasil tambah
sudut pedalaman
suatu segi tiga

2. Cari nilai x dalam setiap rajah yang berikut.

(a)

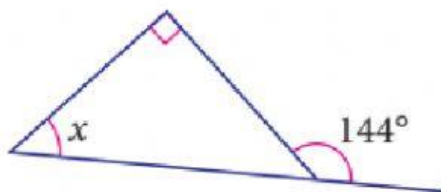


$$\begin{aligned} a + a + 66^\circ &= 180^\circ \\ 2a &= 180^\circ - 66^\circ \\ a &= \frac{180^\circ - 66^\circ}{2} \\ x &= 66^\circ + a \end{aligned}$$

Hasil tambah sudut pedalaman ialah 180° .

Sudut peluaran sama dengan hasil tambah dua sudut pedalaman

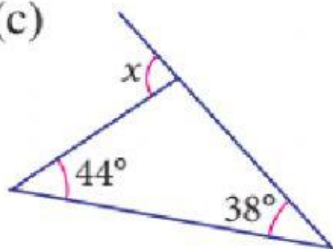
(b)



$$\begin{aligned} x + 90^\circ &= 144^\circ \\ x &= 144^\circ - 90^\circ \\ &= 54^\circ \end{aligned}$$

Sudut peluaran sama dengan hasil tambah dua sudut pedalaman

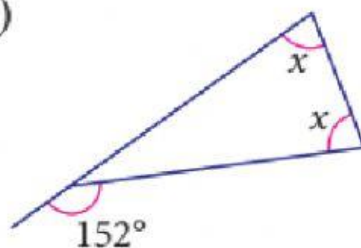
(c)



$$\begin{aligned} x &= 44^\circ + 38^\circ \\ &= 82^\circ \end{aligned}$$

Sudut peluaran sama dengan hasil tambah dua sudut pedalaman

(d)



$$\begin{aligned} x + x &= 152^\circ \\ 2x &= 152^\circ \\ x &= \frac{152^\circ}{2} \\ &= 76^\circ \end{aligned}$$

Sudut peluaran sama dengan hasil tambah dua sudut pedalaman