St Olaves / Newstead
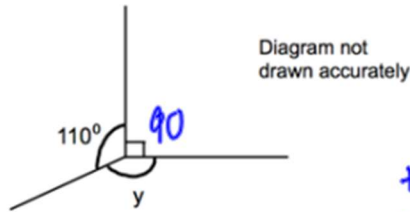## Homework 10 Answer Key

Comprehension

Answer key:
1. A
2. A
3. C
4. A
5. E
6. C
7. B
8. A
9. D
10. E
11. B, C
12. C, D
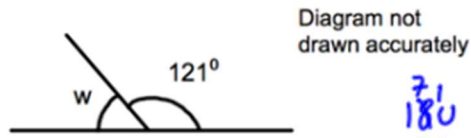
ANGLES

Diagram not drawn accurately

$110°$ **90**

y

$$110 + 90 = 200$$
$$360 - 200 = 160$$

(a) (i) Work out the size of the angle marked y.

160 °

Diagram not drawn accurately

$121°$

w

$$\overset{7\,1}{180} - 121 = 059$$

(b) (i) Work out the size of the angle marked w.

59 °

---

p

Diagram not drawn accurately

$57°$
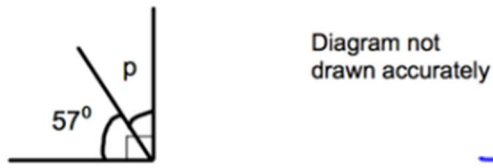
$$\overset{8\ 1}{90} - 57 = 33$$

(c) (i) Work out the size of the angle marked p.

33 °

Shown below is a quadrilateral.

x

Diagram not drawn accurately

$101°$

90

$53°$
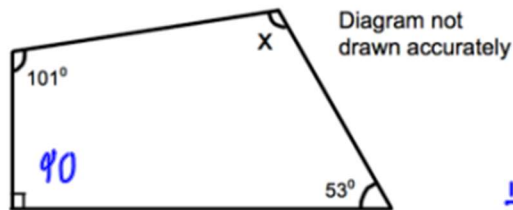
$$\begin{array}{r}101\\90\\1\ 53\\\hline 244\end{array}$$

Work out the size of the angle marked x.

$$\overset{5\,1}{360} - 244 = 116$$

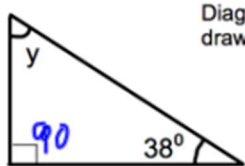**116** °

Shown is a right angled triangle.

Diagram not drawn accurately
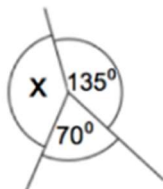
y

90   38°

$\begin{array}{r} 90 \\ +38 \\ \hline 128 \end{array}$

Work out the size of angle y.

$\begin{array}{r} 7\,1 \\ 1\cancel{8}\cancel{0} \\ -128 \\ \hline 52 \end{array}$

52

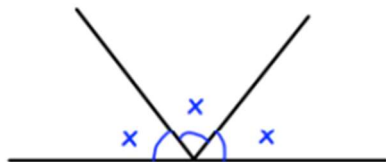52 .... °

(2)

Not drawn accurately

X 135°

70°

(a) Work out the size of the angle marked x.

$\begin{array}{r} 51 \\ 135 \\ \,70 \\ \hline 205 \end{array}$ $\begin{array}{r} 3\cancel{6}0 \\ -205 \\ \hline 155 \end{array}$

155

155 .... °

x

x   x

Work out the size of x.

$180 \div 3 = 60$

60

60 .... °

(2)

---

x

48°   86°
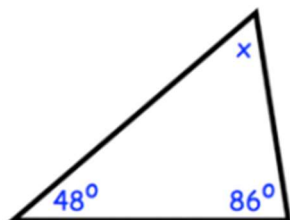
Work out the size of angle x.

$\begin{array}{r} 7\,1 \\ 1\cancel{8}\cancel{0} \\ -134 \\ \hline 46 \end{array}$

$\begin{array}{r} 86 \\ +48 \\ \hline 134 \end{array}$

46

46 .... °

(2)

Shown below is a quadrilateral.

y

75°

120°   130°

Work out the size of angle y.

130
120
_75_
325

360
-325
35

_35°_
(2)

104°

b

a
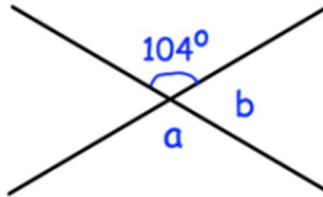
(a)   Work out the size of angle a.

104°
(1)

(b)   Work out the size of angle b.

180
-104
76

76°
(1)

Verbal Reasoning

Answer Key:
- 23.E
- 24.E
- 25.C
- 26.E
- 27.E
- 28.A
- 29.B
- 30.D
- 31.A
- 32.D

NVR

Answer Key:
- 33.D
- 34.A
- 35.B
- 36.E
- 37.C
- 38.E
- 39.B
- 40.C
- 41.B
- 42.A