Basic Angles and Shapes Practice #2

1.

Angle *a* = ...

Reason = ...
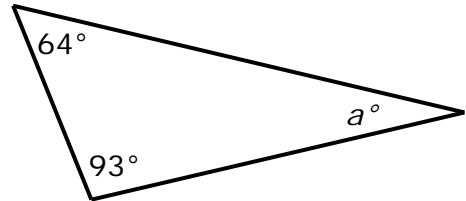
2.

Angle *b* = ...

Reason = ...

Angle *c* = ...

Reason = ...
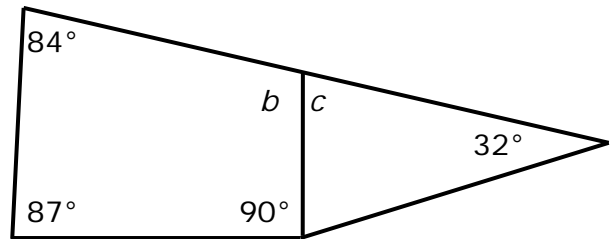
3.

Angle *d* = ...

Reason = ...

Angle *e* = ...

Reason = ...
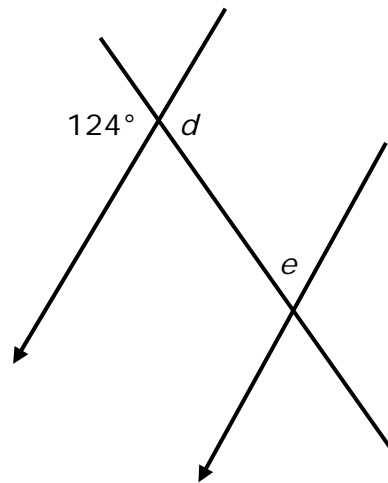
4.

Angle *f* = ...

Reasons = ...

....

Angle *g* = ...

Reason = ...
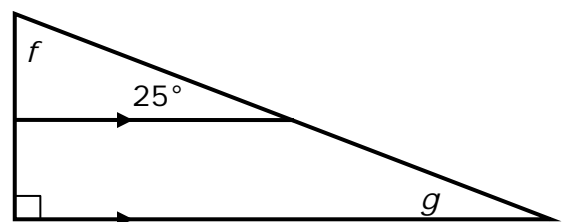
Answers: Basic Angles and Shapes Practice #2

1.

Angle *a* = **23°**

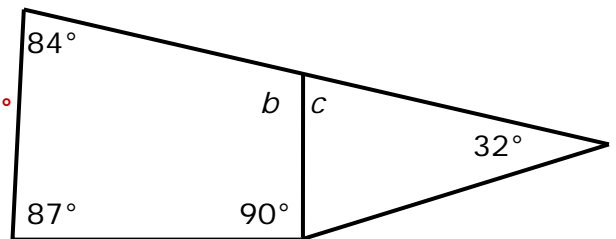Reason = **Interior angles in a triangle add to 180°**

64°

a °

93°
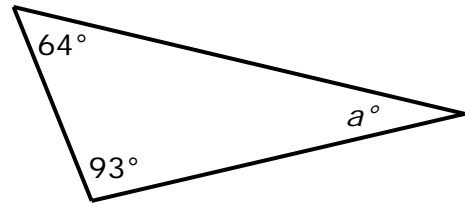
2.

Angle *b* = **99°**

Reason = **Angles in a quadrilateral add to 360°**

Angle *c* = **81°**

Reason = **Angles on a line add up to 180°**

84°

b *c*

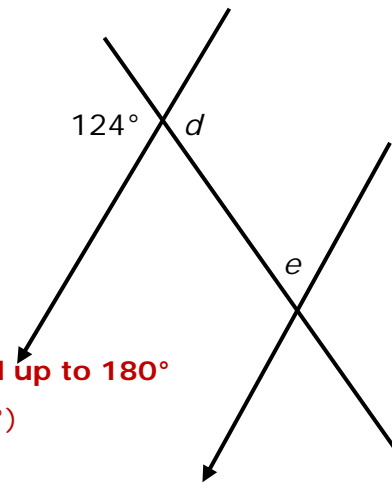32°

87°   90°

3.

Angle *d* = **124°**

Reason = **Vertically opposite angles are equal**

Angle *e* = **56°**

Reason = **Co-interior** (with d) **on parallel lines – add up to 180°**
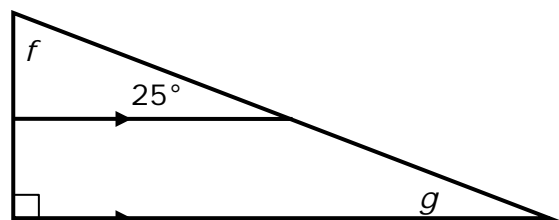(or: corresponding and then on line with 124°)

124° *d*

e

4.

Angle *f* = **65°**

Reasons = **Angles in a triangle add up to 180°**

**(bottom left angle is 90°, as it
corresponding on parallel lines)**

Angle *g* = **25°**

Reason = **Corresponding angles on parallel lines are equal**

f

25°

g