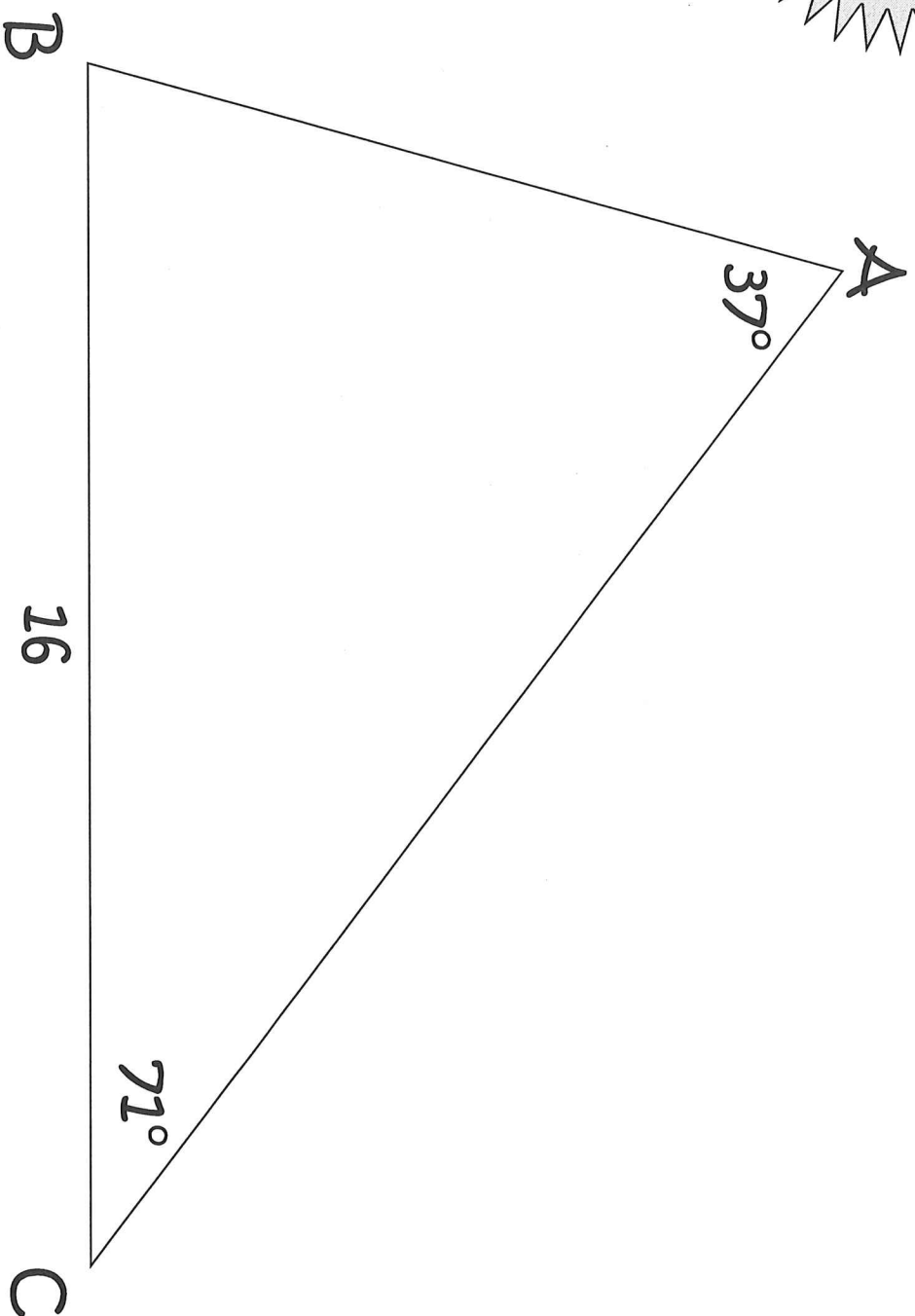
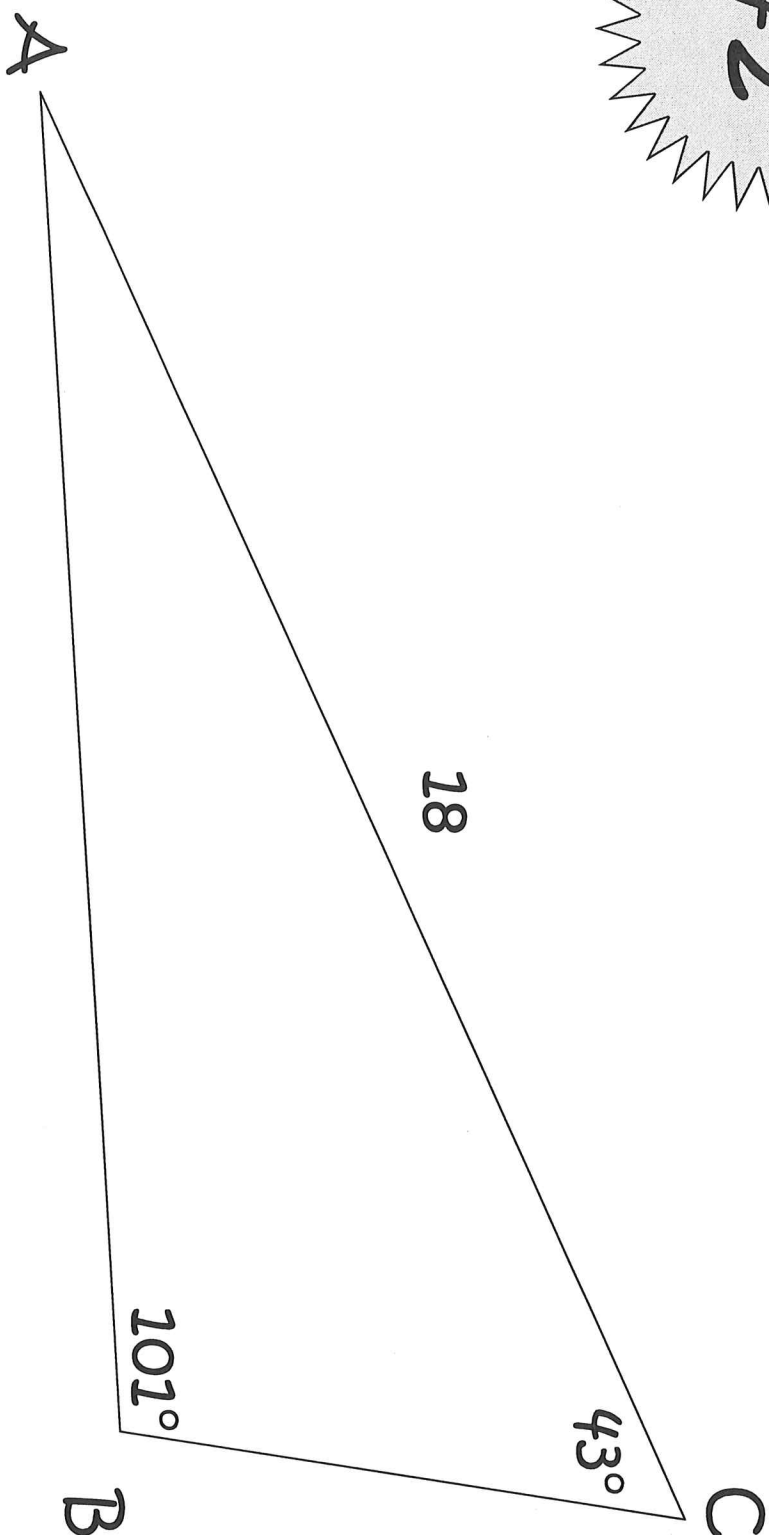


#1



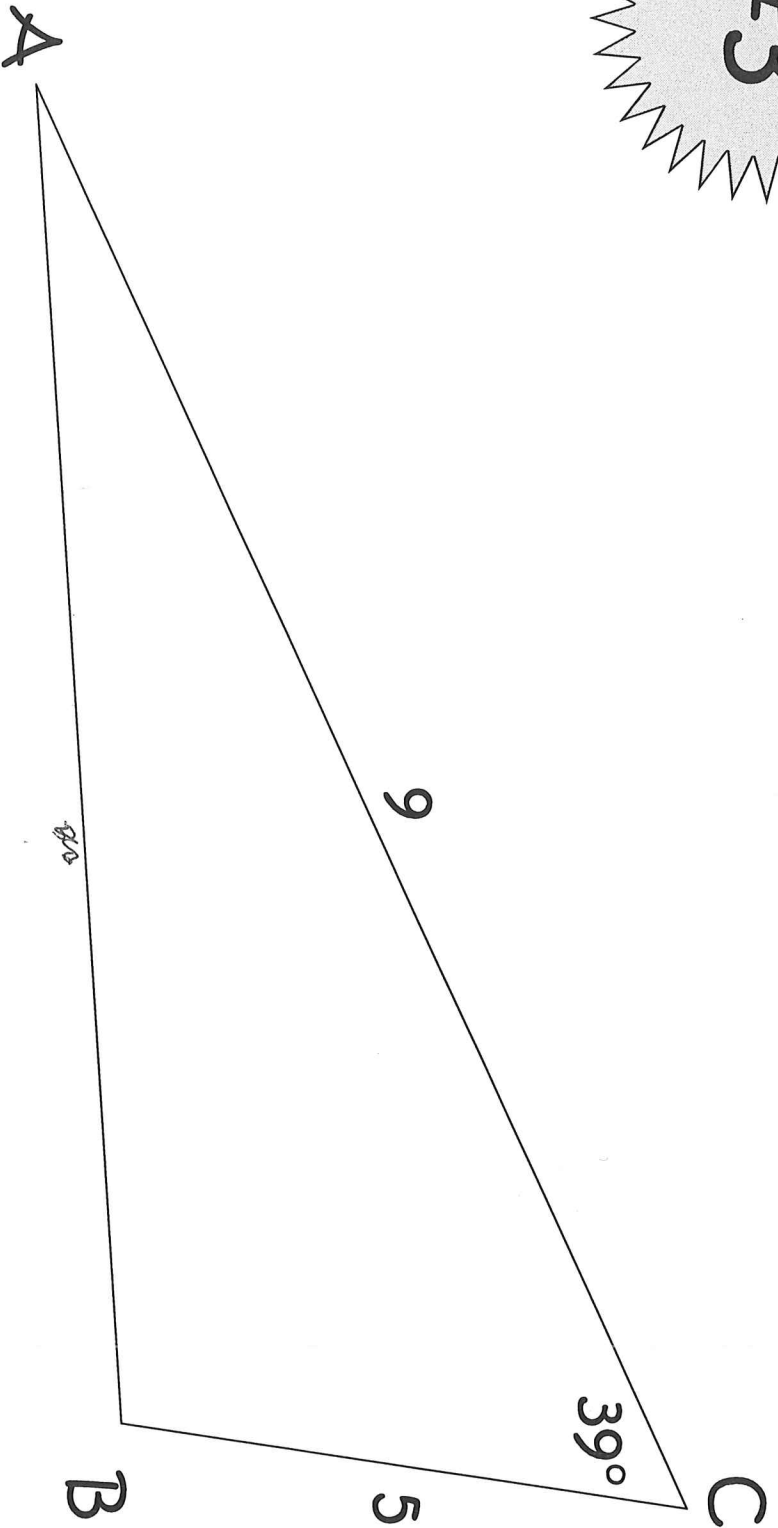
Find AB to the nearest tenth

#2



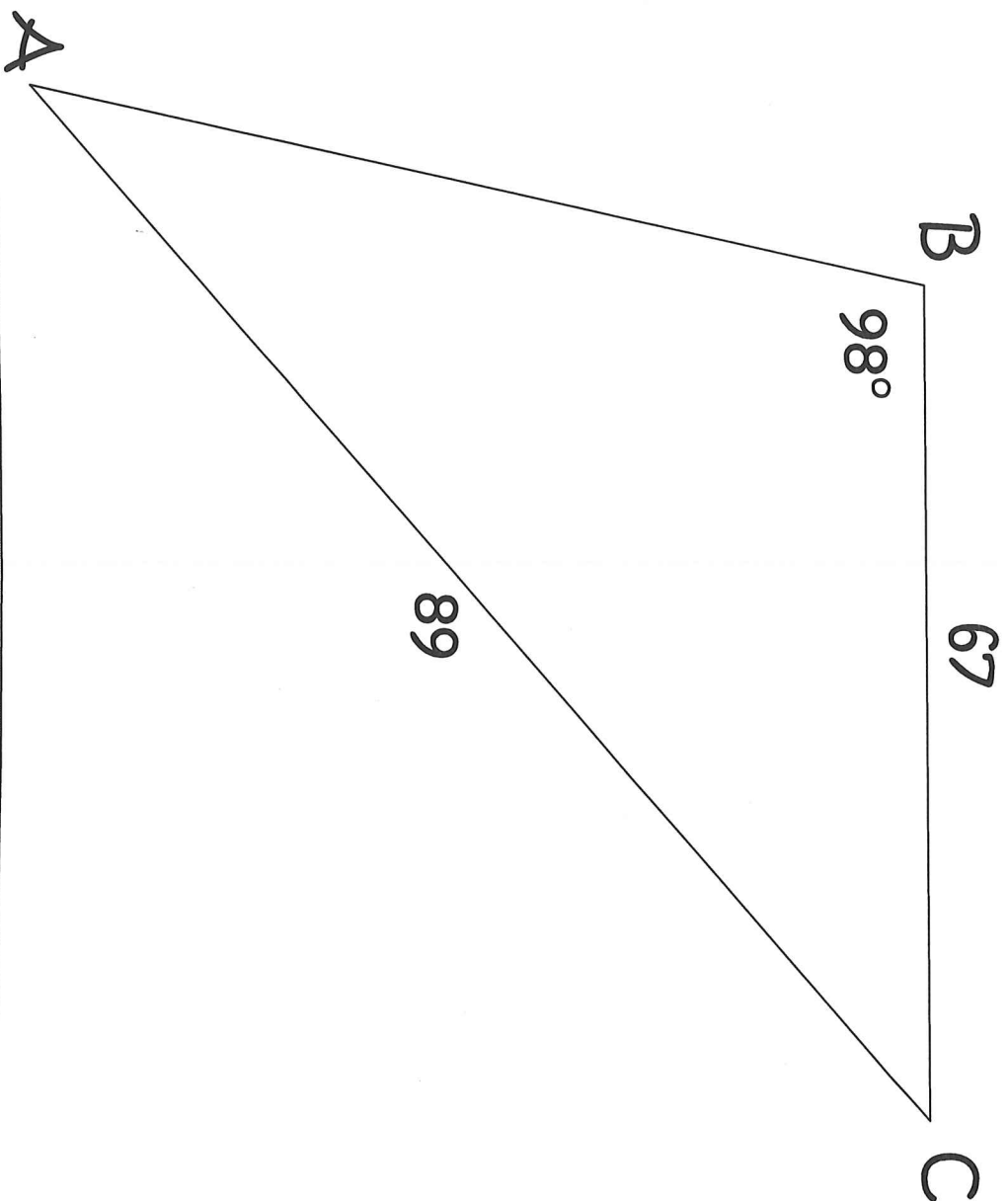
Find CB to the nearest tenth

#3



Find AB to the nearest tenth

#4

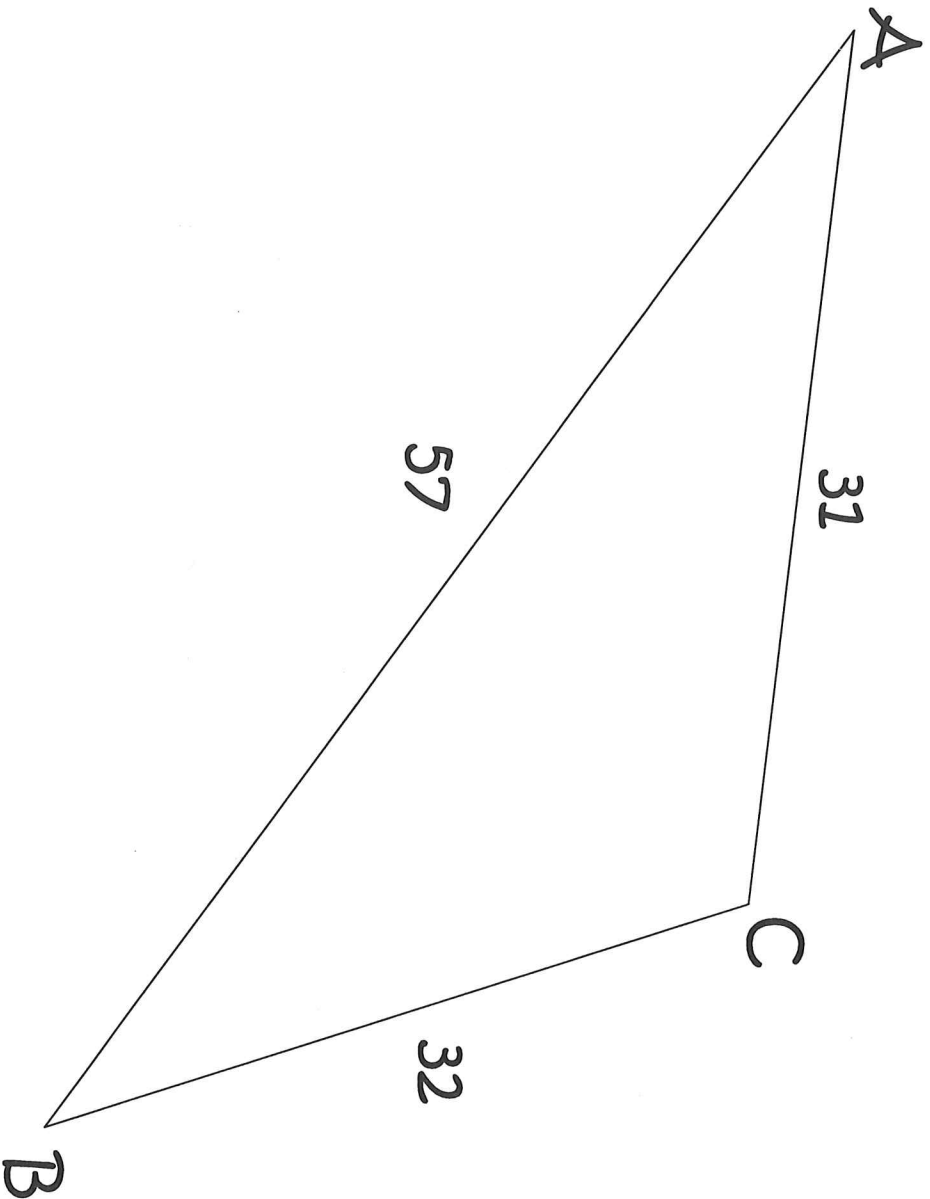


Find $m\angle A$ to the nearest degree

#5

You stand 40 ft from a tree. The angle of elevation from you to the top of the tree is 47 degrees. How tall is the tree?

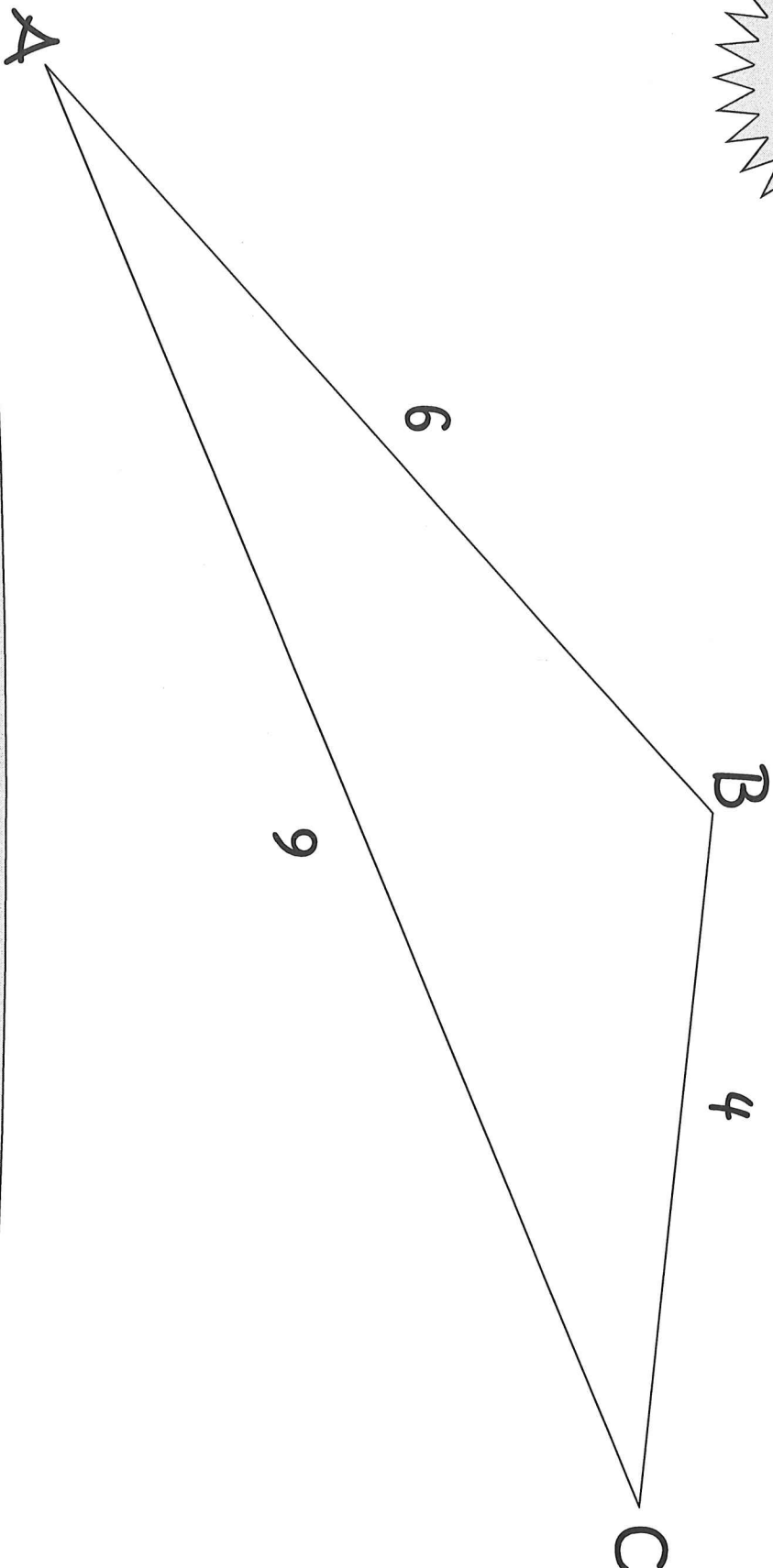
#6



Find $m\angle C$ to the nearest degree

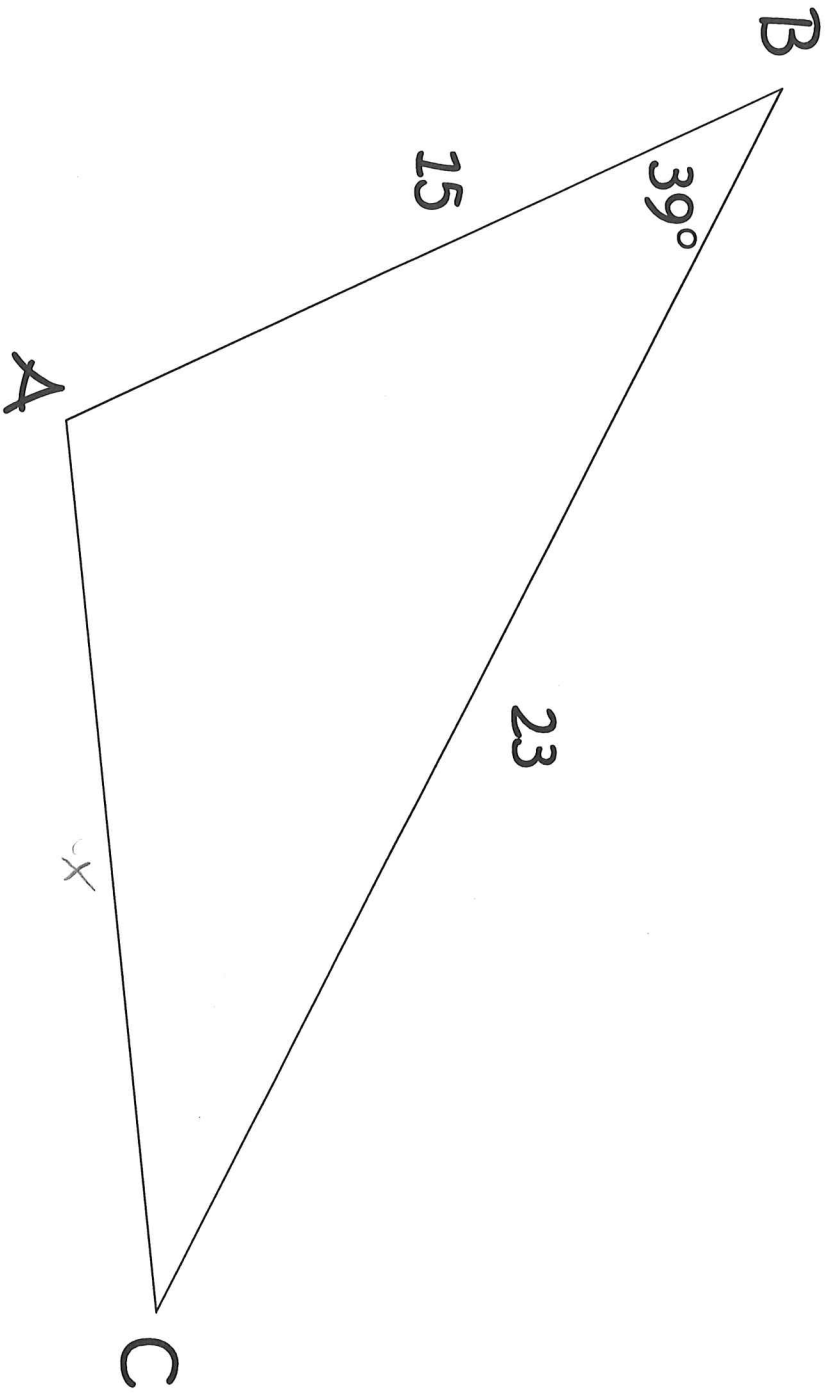
A library wishes to build an access ramp for wheelchairs. The main entrance of the library is 8 ft above sidewalk level. If the architect recommends an angle of 6 degrees off the ground, how long must the access ramp be?

#8



Find $m\angle B$ to the nearest degree

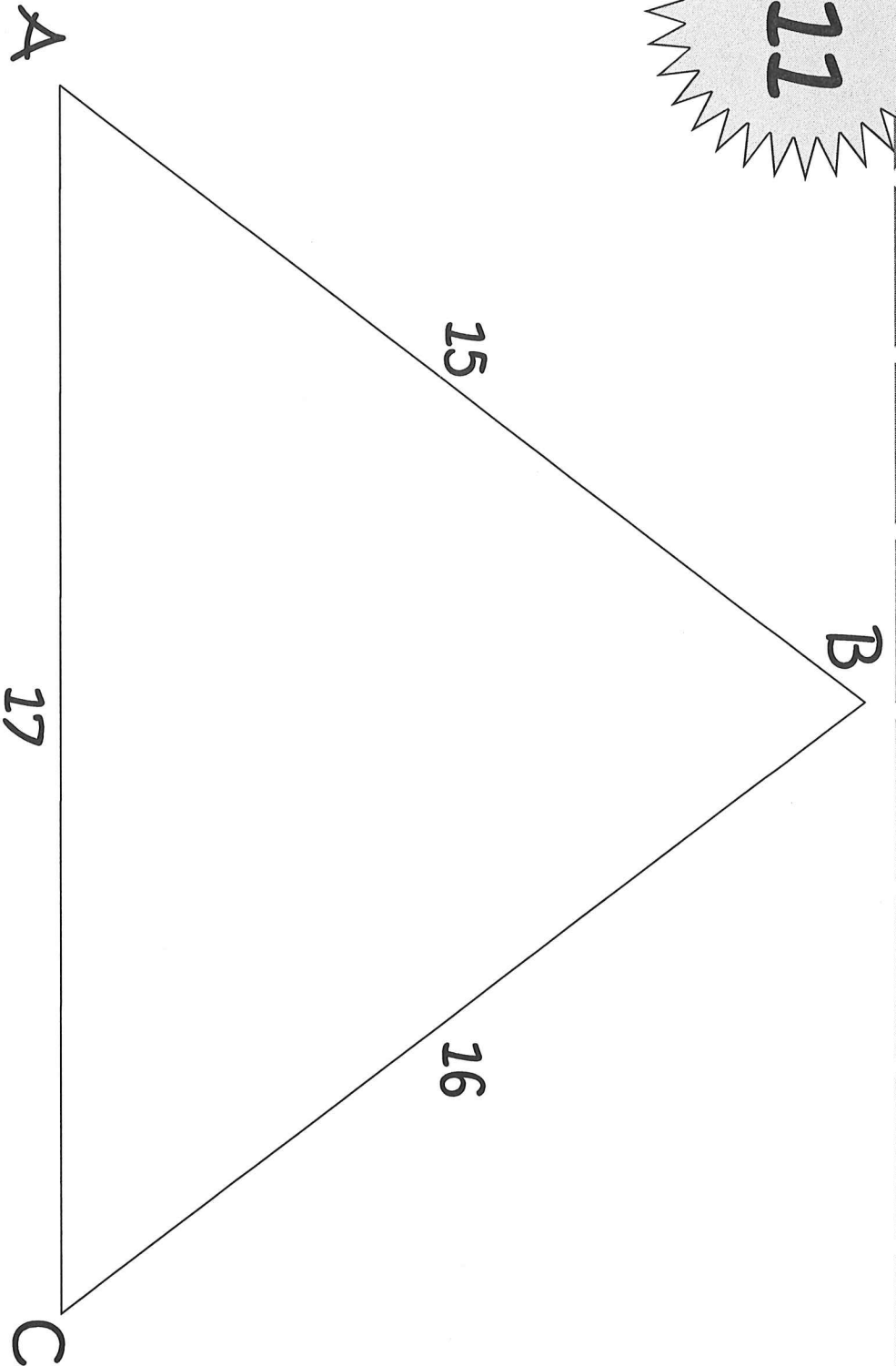
#9



Find AC to the nearest tenth

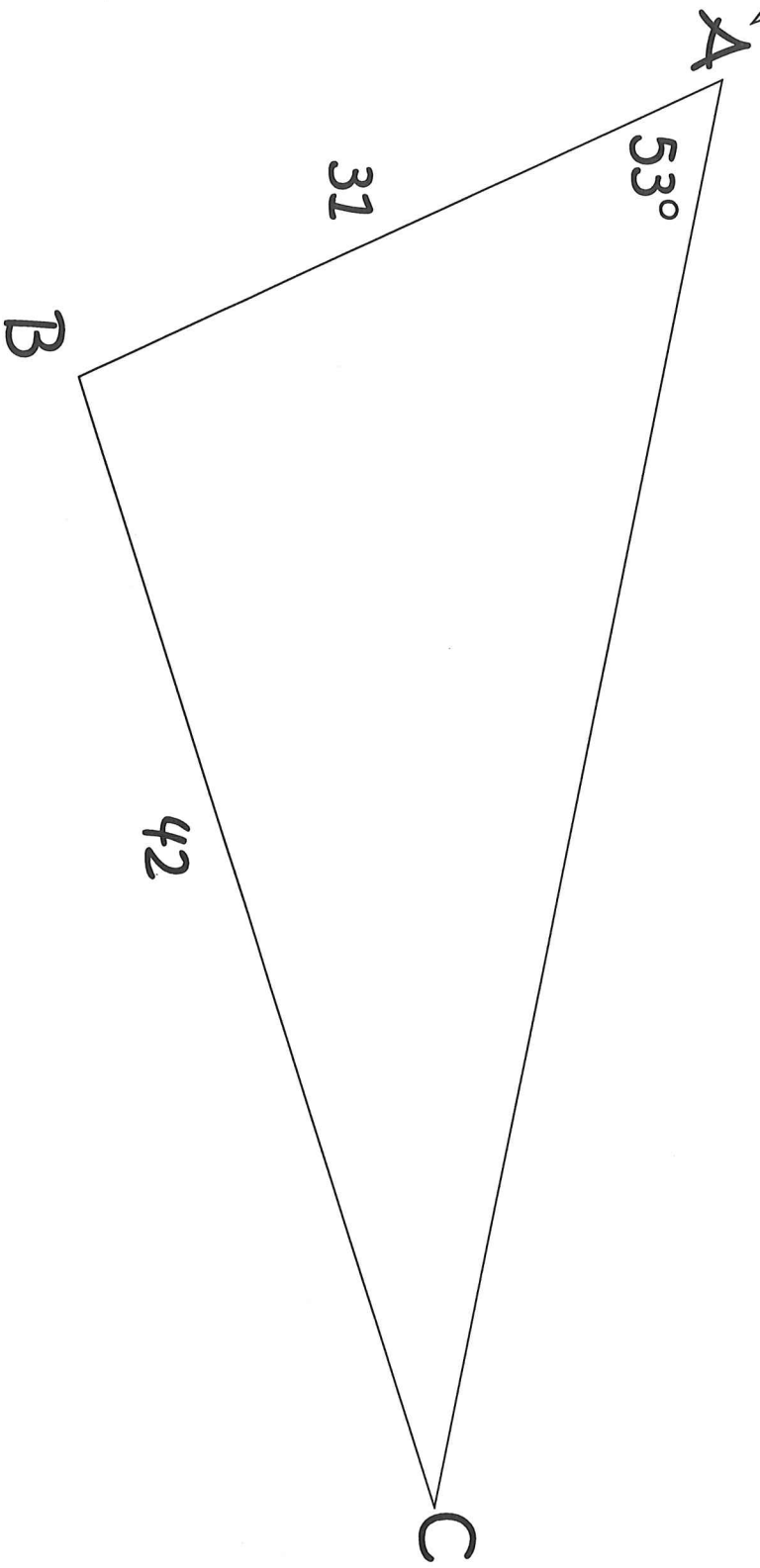
Two buildings stand 90 ft apart at their closest points. At those points, the angle of depression from the taller building to the shorter building is 12 degrees. How much taller is the taller building?

#11



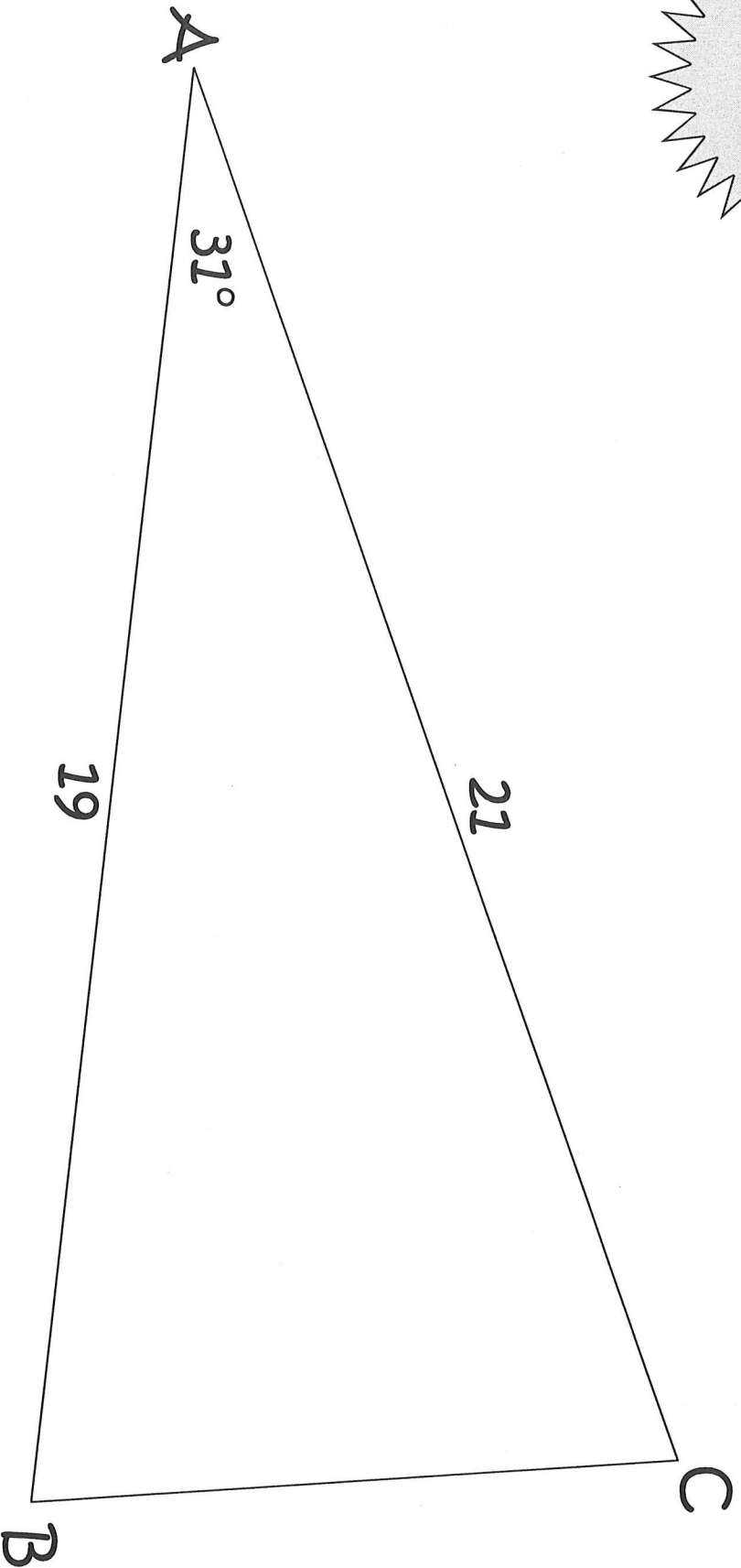
Find $m\angle A$ to the nearest degree

#12



Find $m\angle C$ to the nearest degree

#13



Find BC to the nearest tenth

A ladder is leaning against a wall. The foot of the ladder is 6.5 feet from the wall. The ladder makes an angle of 74° with the level ground. How high on the wall does the ladder reach?

After takeoff, a plane flies in a straight line for a distance of 4000 ft in order to gain an altitude of 800 ft. Find the angle of elevation from the ground to the plane.

An airplane is flying 10,500 feet above the level ground. The angle of depression from the plane to the base of a tree is 13 degrees. How far horizontally must the plane fly to be directly over the tree?

Name _____

<div>#1</div> <div>Answer: 25.1</div>	<div>#2</div> <div>Answer: 11.8</div>	<div>#3</div> <div>Answer: 6.0</div>	<div>#4</div> <div>Answer: 48</div>	<div>#5</div> <div>Answer: 42.9 42.9</div>
<div>#6</div> <div>Answer: 130</div>	<div>#7</div> <div>Answer: 76.5</div>	<div>#8</div> <div>Answer: 127°</div>	<div>#9</div> <div>Answer: 14.8</div>	<div>#10</div> <div>Answer: 19.1</div>
<div>#11</div> <div>Answer: 60</div>	<div>#12</div> <div>Answer: 36</div>	<div>#13</div> <div>Answer: 10.9</div>	<div>#14</div> <div>Answer: 22.7</div>	<div>#15</div> <div>Answer: 11.3</div>
<div>#16</div> <div>Answer: 45480.5</div>	<div>#17</div> <div>Answer: </div>	<div>#18</div> <div>Answer: </div>	<div>#19</div> <div>Answer: </div>	<div>#20</div> <div>Answer: </div>
<div>#21</div> <div>Answer: </div>	<div>#22</div> <div>Answer: </div>	<div>#23</div> <div>Answer: </div>	<div>#24</div> <div>Answer: </div>	<div>#25</div> <div>Answer: </div>
<div>#26</div> <div>Answer: </div>	<div>#27</div> <div>Answer: </div>	<div>#28</div> <div>Answer: </div>	<div>#29</div> <div>Answer: </div>	<div>#30</div> <div>Answer: </div>