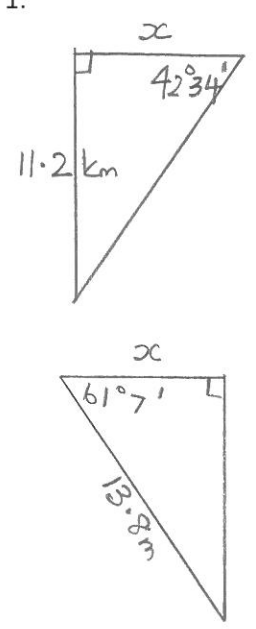
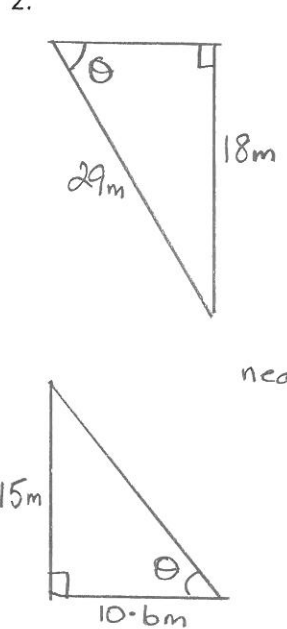
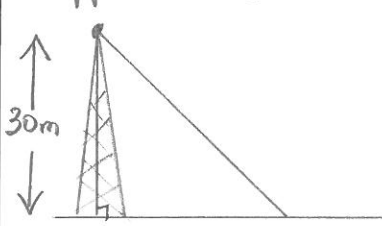



HOMEWORK 9 Term 3 Sheet 5 advanced

<p>1.</p> 	<p>2.</p> <p>2 d.p.'s</p>  <p>nearest minute</p>	<p>3.</p> <p>→ degrees + minutes</p> $28.5^\circ =$ $19.25^\circ =$ $36.75^\circ =$ $15.1^\circ =$ $42.4^\circ =$ $56.\bar{3}^\circ =$
<p>4.</p> <p>An antenna is supported by a cable</p>  <p>If the cable makes a <math>40^\circ</math> angle with the ground, how long is the cable?</p>	<p>5.</p> <p>Wheelchair ramps must have a <math>15^\circ</math> incline. How long must a ramp be to give access to a 2m high entrance?</p>	<p>6.</p>  <p>Does this ramp meet the <math>15^\circ</math> incline rule?</p>
<p>7.</p> <p>→ decimal</p> $21^\circ 15' =$ $86^\circ 30' =$ $43^\circ 6' =$ <hr/> <p>↓ 2 d.p.'s</p> $15^\circ 35' 42'' =$ $37^\circ 4' 16'' =$	<p>8.</p> <p>Factorise:</p> $x^2 + 15x + 50$ $= ( \quad ) ( \quad )$ $e^2 - 10e - 24$ $= ( \quad ) ( \quad )$ $m^2 + 14m + 49$ $= ( \quad ) ( \quad )$ $=$	<p>9.</p> <p>(2 d.p.'s)</p> 