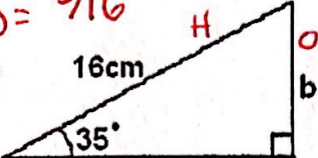
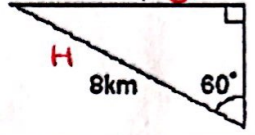
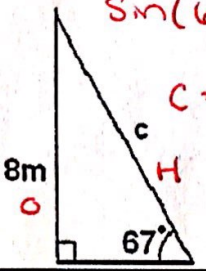
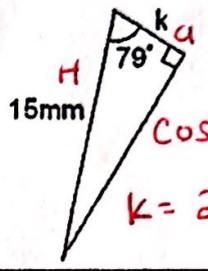
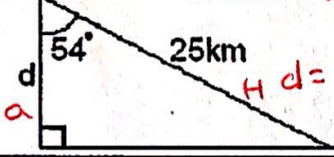
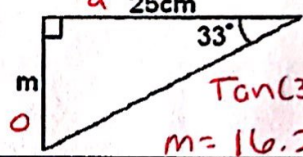
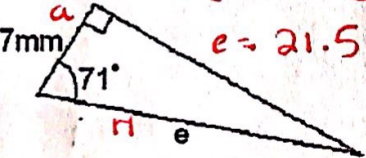
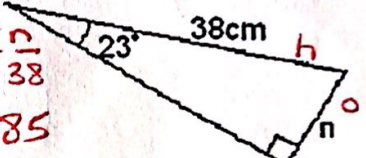
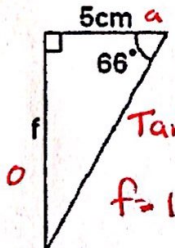
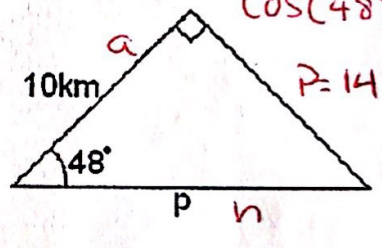
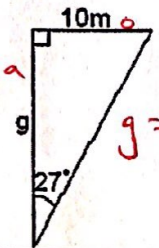
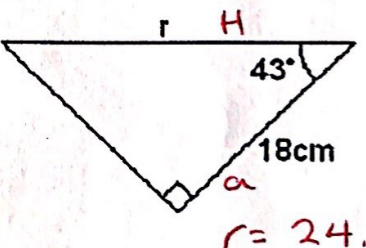


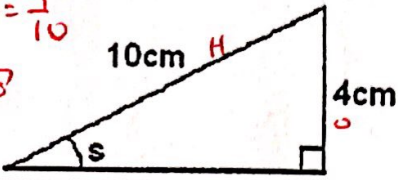
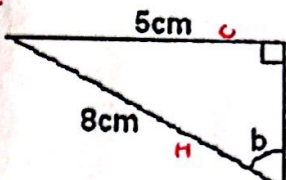
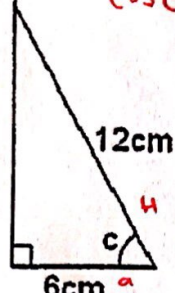

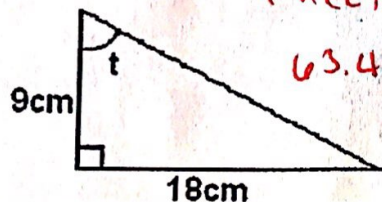
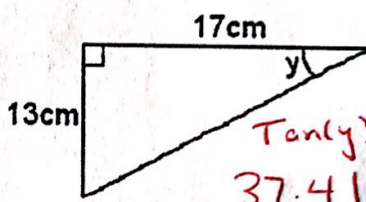
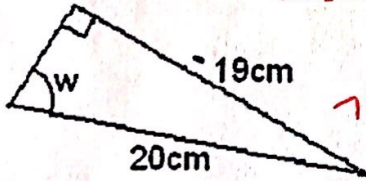
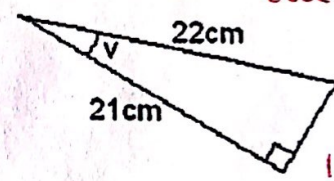
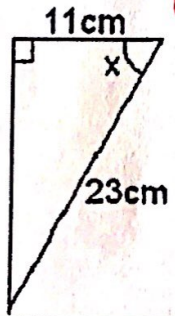
## Trigonometry Worksheet T3 – Calculating Sides

Work out the sides labelled. Questions 1 and 2 require Sine, questions 3 and 4 require Cosine, question 5 and 6 require Tangent. The rest .... you will need to work out which to use and how! (Worksheet T1 may help you!!)

<p>1. <math>\sin(35) = \frac{b}{16}</math>  <math>b = 9.18</math></p> 	<p>7. <math>\sin(60) = \frac{j}{8}</math>  <math>j = 6.93</math></p> 
<p>2. <math>\sin(67) = \frac{8}{c}</math>  <math>c = 8.69</math></p> 	<p>8. <math>\cos(79) = \frac{k}{15}</math>  <math>k = 2.86</math></p> 
<p>3. <math>\cos(54) = \frac{d}{25}</math>  <math>d = 14.69</math></p> 	<p>9. <math>\tan(33) = \frac{m}{25}</math>  <math>m = 16.24</math></p> 
<p>4. <math>\cos(71) = \frac{7}{e}</math>  <math>e = 21.5</math></p> 	<p>10. <math>\sin(23) = \frac{n}{38}</math>  <math>n = 14.85</math></p> 
<p>5. <math>\tan(66) = \frac{f}{5}</math>  <math>f = 11.23</math></p> 	<p>11. <math>\cos(48) = \frac{10}{p}</math>  <math>p = 14.95</math></p> 
<p>6. <math>\tan(27) = \frac{10}{g}</math>  <math>g = 19.63</math></p> 	<p>12. <math>\cos(43) = \frac{18}{r}</math>  <math>r = 24.62</math></p> 

## Trigonometry Worksheet T4 – Calculating Angles

Work out the angles labelled. Question 1 requires Sine, question 2 requires Cosine, and question 3 requires Tangent. The rest .... you will need to work out which to use!

<p>1. <math>\sin(x) = \frac{4}{10}</math> 23.58</p> 	<p>6. <math>\sin(b) = \frac{5}{8}</math> 38.68</p> 
<p>2. <math>\cos(c) = \frac{6}{12}</math> 60</p> 	<p>7. <math>\tan(z) = \frac{24}{7}</math> 73.74</p> 
<p>3. <math>\tan(t) = \frac{18}{9}</math> 63.43</p> 	<p>8. <math>\tan(y) = \frac{13}{17}</math> 37.41</p> 
<p>4. <math>\sin(w) = \frac{19}{20}</math> 71.81</p> 	<p>9. <math>\cos(v) = \frac{21}{22}</math> <del>30.04</del> 17.34</p> 
<p>5. <math>\cos(x) = \frac{11}{23}</math> 61.43</p> 	<p>10. <math>\tan(u) = \frac{16}{15}</math> 46.85</p> 