## Pythagorean Theorem and Trigonometry

Find sin  $\theta$ , cos  $\theta$  and tan  $\theta$  as fractions for each right triangle.

Use, adjacent side opposite side opposite side  $\cos \theta = \tan \theta = \sin \theta =$ hypotenuse adjacent side hypotenuse 1) 2) 3) 1.5 θ 12 3 12.5 2.5 2 θ 3.5 4  $\sin \theta =$  $\sin \theta =$  $\sin \theta =$  $\cos \theta =$  $\cos \theta =$  $\cos \theta =$  $\tan \theta =$  $\tan \theta =$  $\tan \theta =$ 

Find the length of the unknown side marked 'x' in each right triangle. Work out on a separate sheet of paper.



