

1. Make x the subject of each equation:

$$\sin(y) = \frac{x}{z}$$

$$\cos(f) = \frac{x}{g}$$

$$\tan(t) = \frac{s}{x}$$

$$\sin(a) = \frac{b}{x}$$

$$\cos(x) = \frac{m}{n}$$

$$\sin(x) = \frac{p}{q}$$

$$\sin(l) = \frac{x}{m}$$

$$\cos(r) = \frac{x}{s}$$

$$\tan(a) = \frac{b}{x}$$

$$\sin(t) = \frac{v}{x}$$

$$\cos(x) = \frac{y}{z}$$

$$\sin(x) = \frac{d}{f}$$

2. Make x the subject of each equation:

$$\sin(40) = \frac{x}{12}$$

$$\tan(20) = \frac{x}{2}$$

$$\tan(75) = \frac{h}{x}$$

$$\cos(55) = \frac{p}{x}$$

$$\cos(a) = \frac{x}{4}$$

$$\tan(87) = \frac{x}{v}$$

$$\sin(60) = \frac{x}{14}$$

$$\cos(45) = \frac{y}{x}$$

$$\sin(70) = \frac{x}{w}$$

$$\tan(15) = \frac{4}{x}$$

$$\cos(21) = \frac{x}{65}$$

$$\tan(17) = \frac{x}{5}$$

2. Solve the equations, giving your answers to 2 d.p.:

$$\sin(30) = \frac{x}{2}$$

$$\cos(45) = \frac{4}{x}$$

$$\tan(x) = \frac{2}{3}$$

$$\cos(x) = \frac{4}{7}$$

$$\sin(40) = \frac{x}{12}$$

$$\tan(75) = \frac{3}{x}$$

$$\cos(25) = \frac{x}{2}$$

$$\tan(55) = \frac{x}{5}$$

$$\sin(60) = \frac{x}{14}$$

$$\cos(45) = \frac{8}{x}$$

$$\sin(70) = \frac{x}{11}$$

$$\tan(15) = \frac{4}{x}$$