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Math worksheet on *'Trigonometry - Calculating Angles from Ratio Decimals and Trig Identities (Level 1)'*. Part of a broader unit on *'Trigonometry - Solving Triangles'*

Learn online: app.mobius.academy/math/units/trigonometry_solving_triangles/

1 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{hyp} = 0.629$$

a	34 deg	b	29 deg
c	44 deg	d	24 deg
e	49 deg	f	39 deg

2 What angle (in degrees) has this ratio of sides?

$$\frac{adj}{hyp} = 0.242$$

a	76 deg	b	66 deg
c	91 deg	d	56 deg
e	71 deg	f	86 deg

3 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{hyp} = 0.988$$

a	76 deg	b	61 deg
c	81 deg	d	66 deg
e	71 deg	f	96 deg

4 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{adj} = 1.483$$

a	41 deg	b	76 deg
c	71 deg	d	46 deg
e	56 deg	f	61 deg

5 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{hyp} = 0.358$$

a	31 deg	b	41 deg
c	21 deg	d	6 deg
e	26 deg	f	16 deg

6 What angle (in degrees) has this ratio of sides?

$$\frac{adj}{hyp} = 0.616$$

a	72 deg	b	52 deg
c	67 deg	d	32 deg
e	57 deg	f	47 deg

7 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{hyp} = 0.574$$

a	55 deg	b	25 deg
c	15 deg	d	50 deg
e	40 deg	f	35 deg