



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

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

$$\frac{opp}{adj} = 1.881$$

a	47 deg	b	42 deg
c	62 deg	d	57 deg
e	67 deg	f	77 deg

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

$$\frac{adj}{hyp} = 0.927$$

a	22 deg	b	37 deg
c	2 deg	d	42 deg
e	7 deg	f	27 deg

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

$$\frac{adj}{hyp} = 0.391$$

a	67 deg	b	57 deg
c	82 deg	d	62 deg
e	52 deg	f	47 deg

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

$$\frac{opp}{hyp} = 0.899$$

a	74 deg	b	69 deg
c	54 deg	d	64 deg
e	84 deg	f	79 deg

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

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

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

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

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

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

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

$$\frac{adj}{hyp} = 0.035$$

a	73 deg	b	88 deg
c	78 deg	d	108 deg
e	83 deg	f	93 deg