



Math worksheet on 'Trigonometry - Calculating Angles from Ratios (Level 1)'. Part of a broader unit on 'Trigonometry Fundamentals - Practice'

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1 Calculate angle 'A' in degrees, given the trigonometric ratio

$$\sin(A) = 0.695$$

a	64 deg	b	59 deg
c	44 deg	d	29 deg
e	54 deg	f	34 deg

2 Calculate angle 'A' in degrees, given the trigonometric ratio

$$\cos(A) = 0.105$$

a	74 deg	b	64 deg
c	89 deg	d	104 deg
e	69 deg	f	84 deg

3 Calculate angle 'A' in degrees, given the trigonometric ratio

$$\sin(A) = 0.375$$

a	7 deg	b	22 deg
c	42 deg	d	37 deg
e	27 deg	f	17 deg

4 Calculate angle 'A' in degrees, given the trigonometric ratio

$$\tan(A) = 0.231$$

a	7 deg	b	23 deg
c	8 deg	d	18 deg
e	3 deg	f	13 deg

5 Calculate angle 'A' in degrees, given the trigonometric ratio

$$\tan(A) = 2.356$$

a	77 deg	b	62 deg
c	87 deg	d	52 deg
e	72 deg	f	67 deg

6 Calculate angle 'A' in degrees, given the trigonometric ratio

$$\sin(A) = 0.99$$

a	77 deg	b	92 deg
c	97 deg	d	62 deg
e	82 deg	f	67 deg

7 Calculate angle 'A' in degrees, given the trigonometric ratio

$$\cos(A) = 0.914$$

a	29 deg	b	34 deg
c	44 deg	d	14 deg
e	24 deg	f	4 deg